

TACIS Regional 2000 TRACECA Programme

## Rehabilitation of Caucasian Highways Azerbaijan Quarterly 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*

Quarterly Progress Report

December 2004 – QPR 6/2004/AZ



This project is funded by  
The European Union



A project implemented by  
Louis Berger SA Paris France

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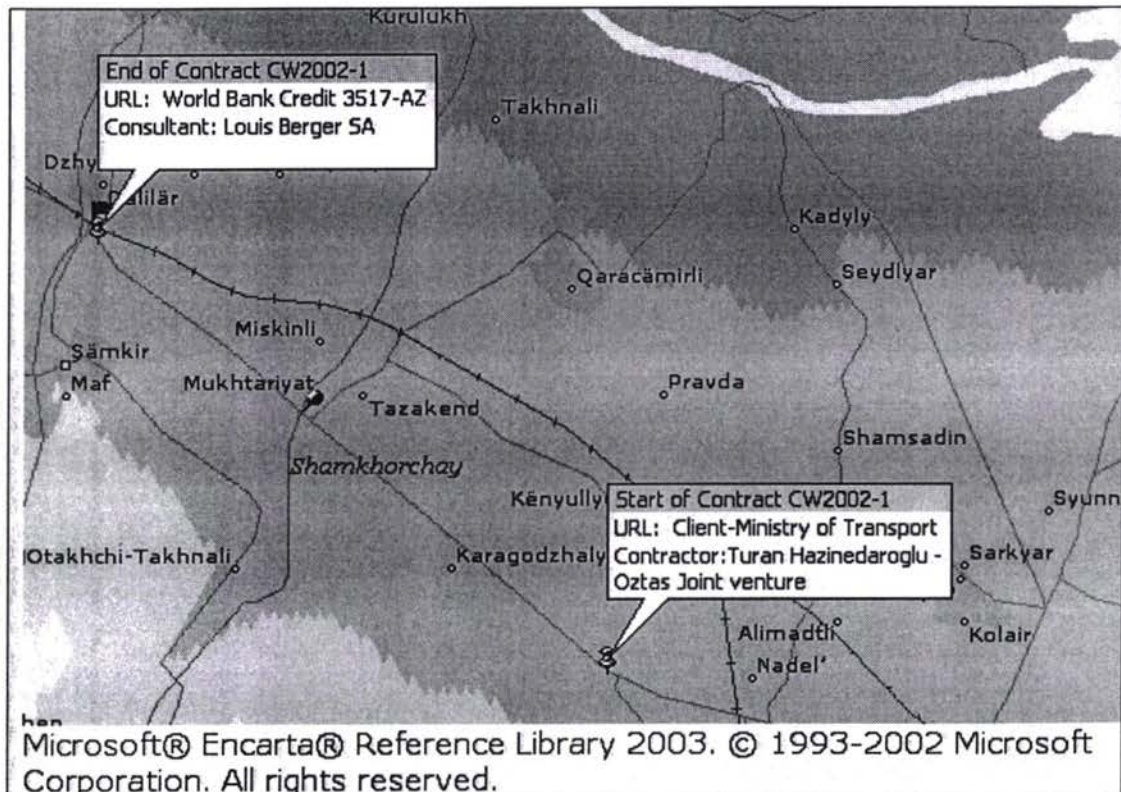
<i>EC Service Contractor's</i>	.....	.....	.....
<i>EC Delegation</i>	.....	.....	.....
<i>TACIS Bureau (Task Manager)</i>	.....	.....	.....
	<i>Name</i>	<i>Signature</i>	<i>Date</i>

# Rehabilitation of Caucasian Highways Azerbaijan Quarterly 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
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		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**

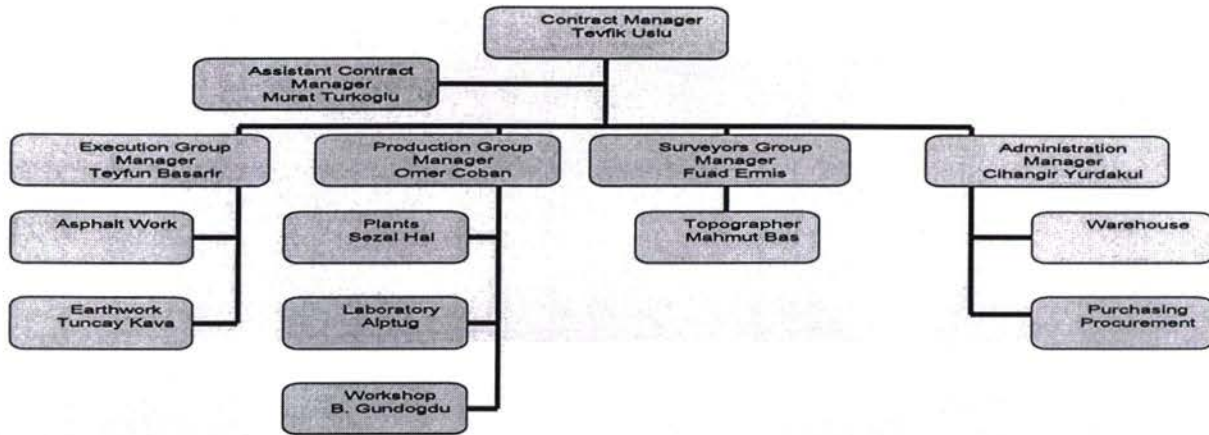
<b>Works Contract CW 2002-1</b>	
Works Tender Opened	14 <sup>th</sup> May 2002
Contract Awarded	30 <sup>th</sup> December 2002 by IDA
Letter of Acceptance Issued	24 <sup>th</sup> March 2003
Contract Agreement Signed	April 9 <sup>th</sup> 2003
Tender Amount	28,749,462,180.50 AZM
Contract Amount Article 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	30,969,170,241.80 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	5,293,525,682.00 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

#### 1.3.3.1. Contractor's staff

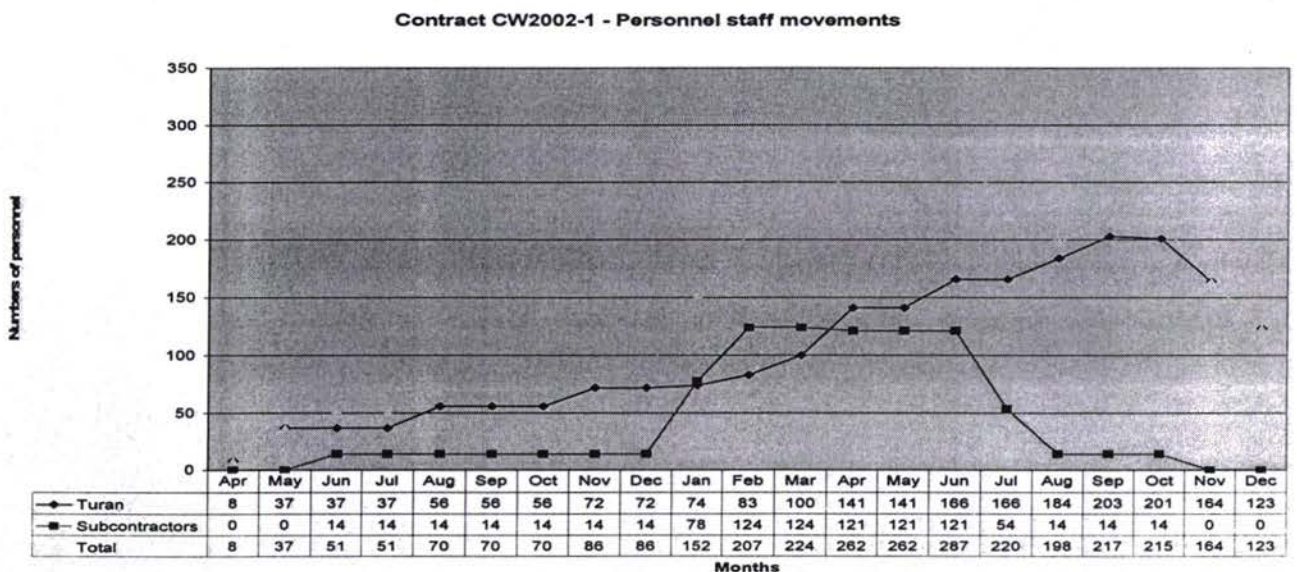
##### 1.3.3.1.1. Management staff and organization (organogramme)

Figure 1



##### 1.3.3.1.2. Personnel staff employed

Figure 2



##### 1.3.3.2. Contractor's machinery and equipment

As previous month

##### 1.3.3.3. Remaining Works at December 24<sup>th</sup> 2004

Table 6

	Name of Work	Unit	Quantity	Work Done	% Work done	Remaining Works
						24/12/2004
1	Traffic Signs	piece	242	175.00	72.3%	67.00

2	Pipe O 600	m	369	138.00	37.4%	231.00
3	Delineators	piece	715	610.00	85.3%	105.00
4	Chutes	m	3160	300.00	9.5%	2,860.00
5	Bus Stop	piece	10		0.0%	10.00
6	Cleaning structures	piece	55.00		0.00%	55.00
7	Turfing side slopes	m <sup>2</sup>	68000	52000.00	76.5%	16,000.00

#### 1.3.3.4. Project progress summary

The Volume of Works completed to Dec 24<sup>th</sup>2004 represents 99.10% from the Revised (Variation orders from 1 to 7 taken into accounts) Contract value.

#### 1.3.3.5. Conclusions

The Contractor is to produce yet a remaining volume of Works for about AZM 302,527,260.32.

#### 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 (-147,862,280.86 AZM)

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 AZM)

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 AZM)**

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 AZM)**

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 AZM)**

The Variation order has been finalised and issued.

**1.3.4.8. Variation order № 8 – Extension of time with no extra cost - pending**

The extension of time have been requested (see our letter to RTSD P334 dated December 9<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**

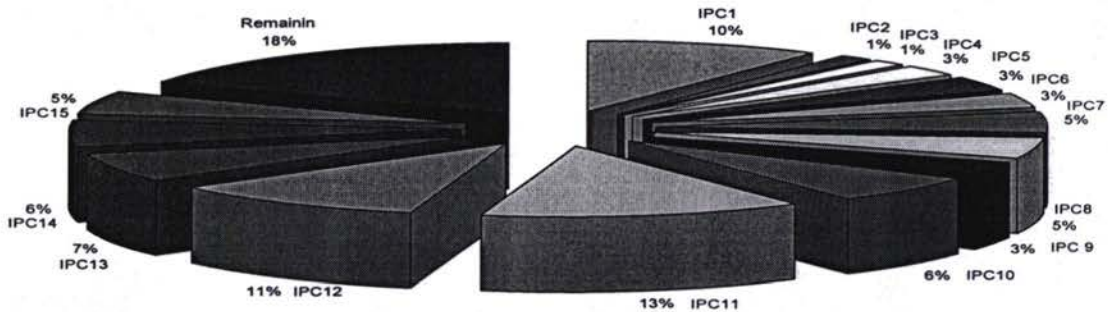
Item	Date	IPC	Value AZM	%	Status
1	30/05/03	IPC 1	3,277,448,972.89	9.75%	paid
2	04/07/03	IPC 2	417,198,206.00	1.24%	paid
3	17/08/03	IPC 3	467,687,830.00	1.39%	paid
4	10/09/03	IPC 4	900,048,107.00	2.68%	paid
5	30/11/03	IPC 5	1,110,117,798.00	3.30%	paid
6	31/01/04	IPC 6	1,072,592,505.00	3.19%	paid
7	29/02/04	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	31/10/04	IPC14	2,023,816,668.00	6.02%	Not yet
15	10/12/04	IPC15	1,773,437,845.00	5.28%	not yet
		Due to contractor	27,789,464,719.89	82.67%	Not fully
		Retention	3,179,705,522.00	9.46%	
		Total for IPC	30,969,170,241.89	92.13%	
		Available	5,824,675,316.87	17.33%	Remained
		Revised Contract price	33,614,140,036.76	100.00%	

Figure 3

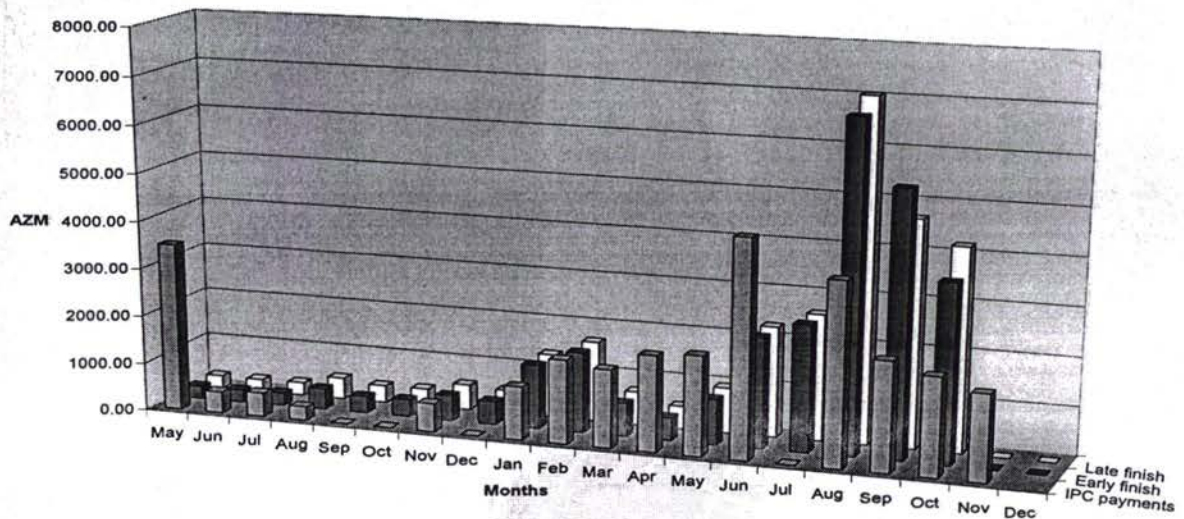
Contract CW2002-1, IPCs payments and the remaining value of Works



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



1.3.5. Testing results

Table 9

SUMMARY OF LABORATORY TESTING DURING DECEMBER MONTH

Description of Work		Test Performed				Remarks
		Total	Passed	Retested	% Passed	
<b>Granular Shoulder (sub base material) 225mm</b>						
1	Gradation (Combined)	2	2	0	100	
2	FDT/Nuclear Density	6	6	0	100	
3	MDD/Proctor	2	2	0	100	
4	LAA	0	0	0	0	
5	Sp. Gravity	0	0	0	0	
6	Water Absorption	0	0	0	0	
7	Moisture Content	2	2	0	100	
8	CBR	2	2	0	100	
9	PI	2	2	0	100	
<b>Concrete Works</b>						
1	Compression Test	12	12	0	100	
2	Slump	6	6	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	12	12	0	100	
10	VMA/VFA	0	0	0	0	
<b>Flexible bituminous surface (50mm)</b>						
1	Gradation	7	7	0	100	
2	LAA	0	0	0	0	
3	Stripping Test	0	0	0	0	
4	Fractured face	0	0	0	0	
5	Core-cutting (thickness)	7	7	0	100	
6	Extraction test	7	7	0	100	
7	Stability	7	7	0	100	
8	Flow	7	7	0	100	
9	Air Voids	7	7	0	100	
10	VMA/VFA	7	7	0	100	

1.3.7. Correspondence records

1.3.7.1. Incoming Letters

Table 10

Item	Date	Auth	Send	Date on the	Response	Subject	Attach-ments	Replay status		
								Required	Date	Our
	Received	from	ref	Letter	to		Yes / No	Sent	Ref.	
1	02/12/2004	T.U	194	02/12/2004	N/A	Request for extension of time	no	no		
2	07/12/2004	T.B	195	07/12/2004	N/A	IPC 15	yes	yes	13/12/2004 263	
3	10/12/2004	T.B	196	10/12/2004	N/A	Spreading of topsoil on road sides	yes	yes		
4	10/12/2004	T.B	197	10/12/2004	N/A	Construction of drainage channels in front of petrol station	yes	yes		
5	14/12/2004	T.B	198	14/12/2004	N/A	Completion programme of the outstanding works	yes	yes		
6	14/12/2004	T.B	199	14/12/2004	N/A	Sealing and painting	no	yes		

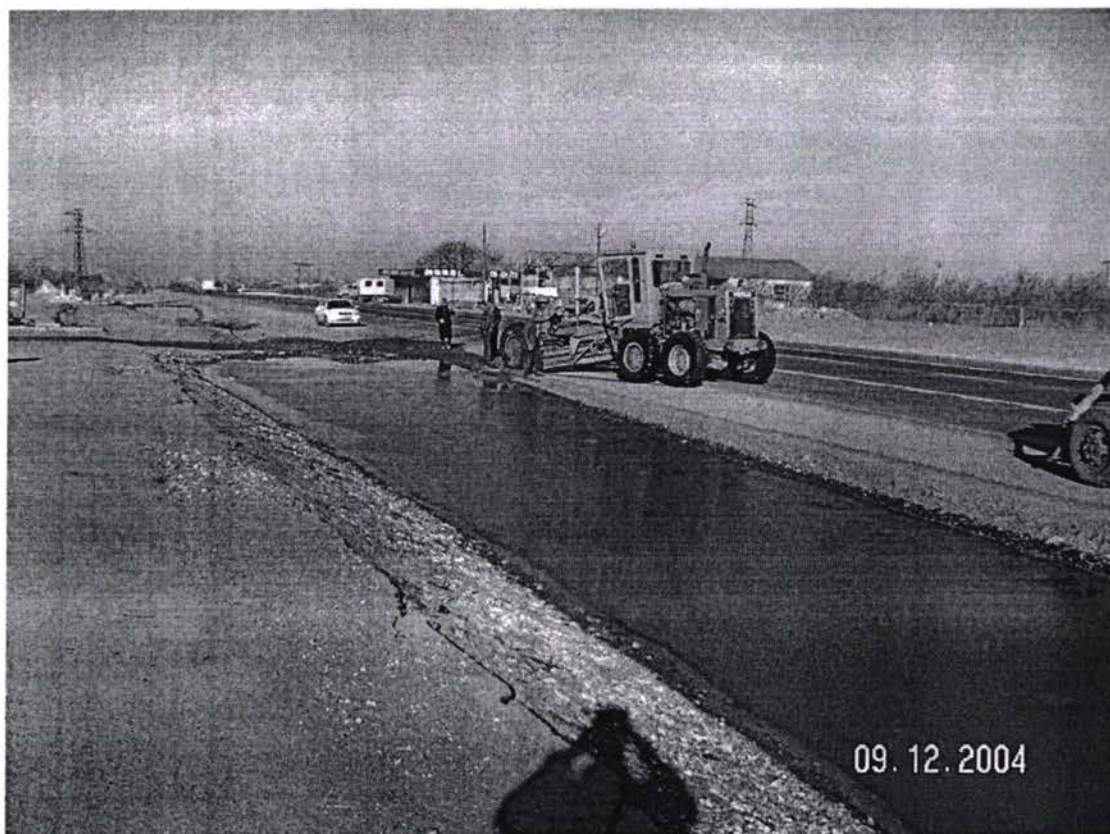
1.3.7.2. Outgoing letters

Table 11

Item	Date Posted	Author initials	Our ref.	Date Written	In response to	Subject	Attachments	Replay status		
								Required Yes/No	Date Sent	Sender's Ref.
1	02/11/2004	S.D	248	02/11/2004	N/A	Request for inspections	no	yes		
2	09/11/2004	S.D	249	08/11/2004	187/05.11.04	Letter 187	no	no		
3	09/11/2004	S.D	250	08/11/2004	176/29.09.04	Letter 176	no	no		
4	09/11/2004	S.D	251	08/11/2004	183/27.10.04	Letter 183	no	no		
5	09/11/2004	S.D	252	09/11/2004	N/A	Monthly Progress Minutes of Meeting October 2004	yes	no		
6	10/11/2004	S.D	253	10/11/2004	01/1489-08.11.04	Letter 01/1489	yes	no		
7	15/11/2004	S.D	254	12/11/2004	184/05.11.04	Letter 184	no	no		
8	15/11/2004	S.D	255	12/11/2004	185/05.11.04	Letter 185	no	yes		
9	15/11/2004	S.D	256	12/11/2004	186/05.11.04	Letter 186	no	no		
10	22/11/2004	S.D	257	22/11/2004	N/A	Updated and revised Work Programme	no	yes		
11	26/11/2004	S.D	258	25/11/2004	188/12.11.04	Letter 188	no	no		
12	26/11/2004	S.D	259	25/11/2004	190/16.11.04	Letter 190	no	no		
13	29/11/2004	S.D	260	29/11/2004	01/1556-25.11.04	Letter 01/1556	yes	no		
14	29/11/2004	S.D	261	29/11/2004	N/A	Minutes of Meeting-November2004	yes	no		

### 1.3.8. Project progress photos

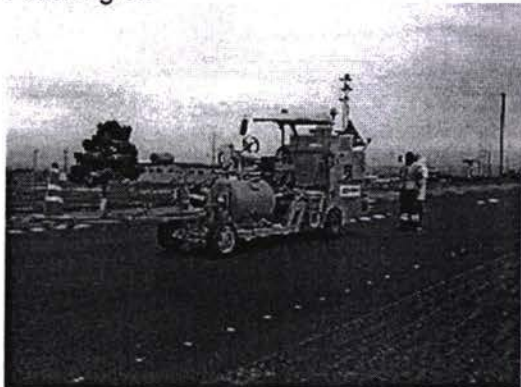
Disaster situation in front of Petrol station at km 11



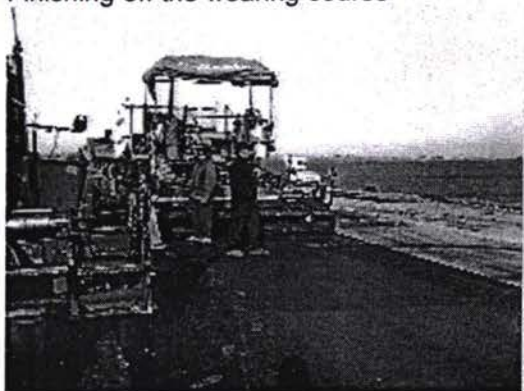




Finishing off



Finishing off the wearing course





Road marking in place



Road signature in place





Crush barriers fixing in place



600mm pipe culvert – access to properties



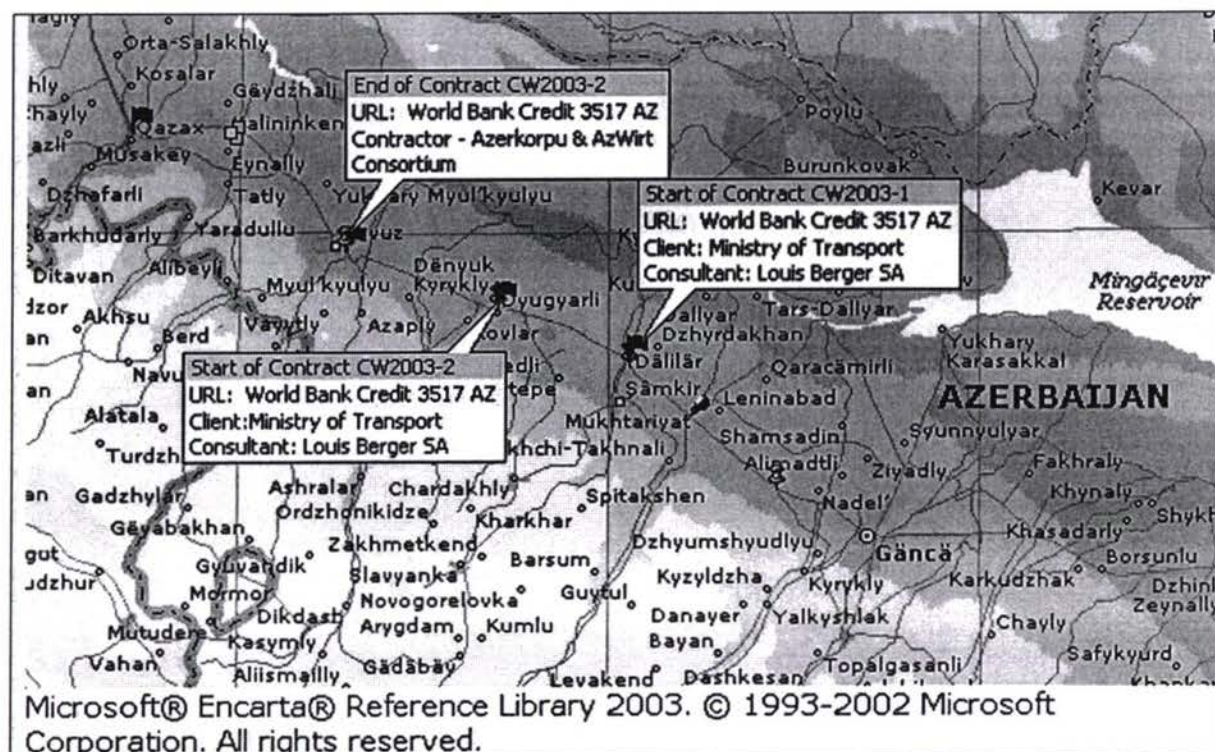
Single seal to shoulders





## Rehabilitation of Caucasian Highways Azerbaijan Quarterly 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 "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>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	11,500,906,847.80 AZM
Value of Works done	12,000,684,355.00 AZM
Value of Works done (%)	19.93%
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	100 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	313 days
Time remaining to date	235 days

### A.2.3.3. Progress report

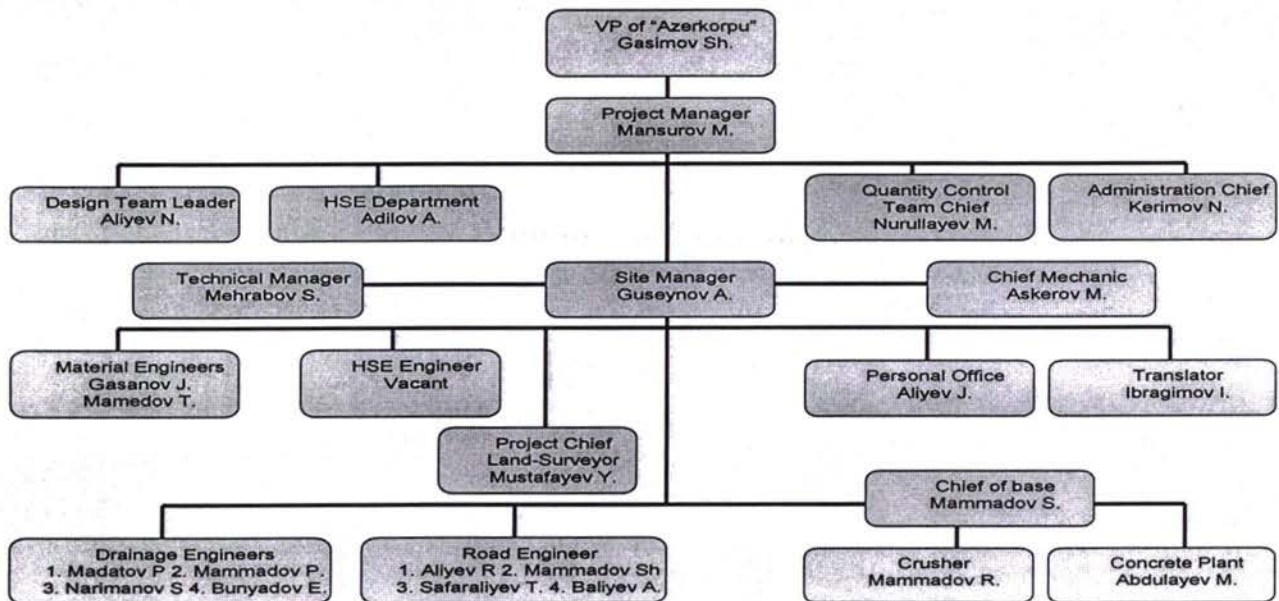
#### A.2.3.3.1. Status of the Project

Since start (February 23, 2004) the Contractor have been on site 313 days or 57.12% of the Contractual time and to date are remaining 235 days or 42.88% 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)

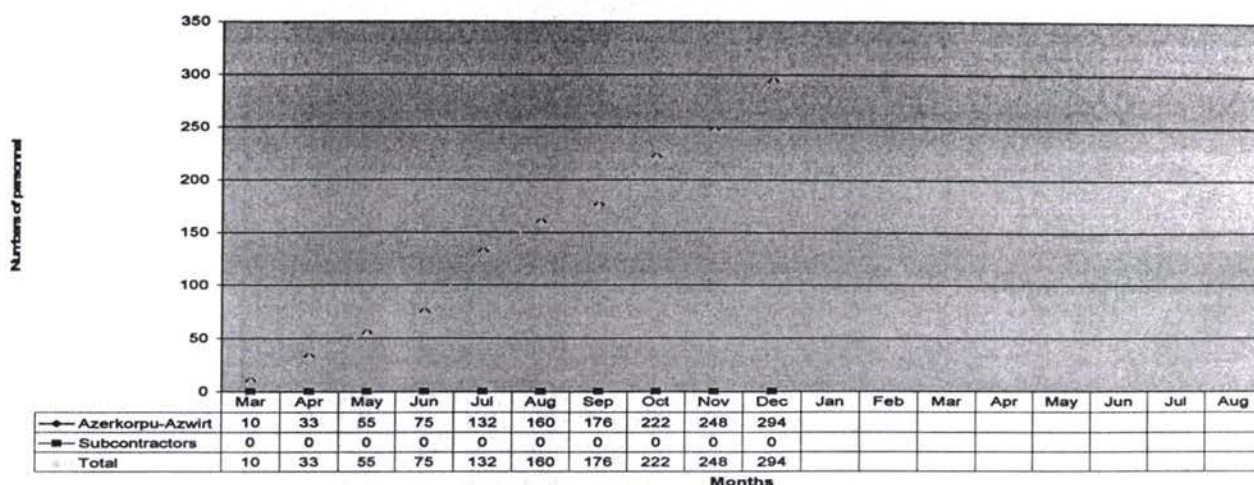
Figure 1



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

Figure 2

Contracts CW2003-1 & 2 - Personnel staff movements



A.2.3.3.1.2. Contractor's machinery and equipment

Table 5

Item	Description	Model and capacity	Unit	For project	Avall	W/day
1	Dumper truck	Mercedes ,KAMAZ;65115 5511MAZ5516,5319	no	0	25	24
2	Crane	RDK	no	0	0	0
3	Water tanker	MAZ5334	no	0	3	28
4	Microbus/BUS	FORD - KIA PAZ-3205	no	2	3	27
5	Truck	QAZ-53/QAZ-52	no	4	0	0
6	Vibro roller	Bomag / dynapac	no	8	0	0
7	Excavator	Cat318/EO 5129/CAT330,,Litronik - 932 EO- 3322	no	2	6	28
8	Grader	DZ-1225-1-" DOMAS" CAT140H DZ-180	no	4	4	29
9	Loader	CaT950G,L-538; L-541	no	2	3	20
10	Welding Machine		no	0	0	0
11	Trailer		no	2	0	0
12	Milling Machine	Wirtgen	no	2	0	0
13	Crusher Plant	SBM 10/12/6 &10/6/6;220 t/h; 1993	no	2	0	0
14	Asphalt mix Plant	Wibau GmbH	no	2	0	0
15	Vibrating plate	Bomag	no	4	0	0
16	Bulldozer	T-170,CAT D8R, CAT D5N	no	2	3	27
17	Truck crane	KATO,MAZ3577,Dnepr-3573,kazmaz53215	no	4	4	28
18	Water carrier		no	0	0	0
19	Welding set		no	0	0	0
20	Generator	DT-75	no	0	1	30
21	Drilling Rig	Soilmec 516	no	0	0	0
22	Asphalt Paver	Joseph Vogele AG	no	2	0	0
23	Pneumatic roller	Bomag	no	6	0	0
24	Milling Machine	Wirtgen	no	2	0	0
25	Low bed	Yalchin Dorse Damper San	no	2	0	0
26	Concrete Mixer	Atika Ultra	no	2	0	0
27	Concrete Mixer	Stroy mash KAMAZ	no	4	2	29
28	Bitumen Spreader	KAMAZ	no	2	0	0
29	Service van	Gazel	no	2	0	0

30	Road roller	BOMAG 65H;-BW-219 DH-3;-212DZ; 216DZ; BOXER, Vibrokatok -VM106D	no	2	6	27
31	Compressor	Atlas	no	2	0	0
32	Hidrohammer	Krupp	no	6	0	0
33	Testing bore	Germany	no	2	0	0
34	Zeiss N2	Germany	no	2	0	0
35	Lorry	QAZ-66 QAZ-33023-14,UAZ-452	no	0	3	20
36	Car	VAZ-21214 Hunday Sonata	no	0	8	30
37	Fuel tanker	ZIL -130	no	0	1	29

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

ID	Task Name	Dura	Start	Finish	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
1	Preliminary Wo	289 d	Wed 16	Fri 15	[Gantt bars for Preliminary Work]																			
2	Earthworks	205 d	Thu 05	Sun 15	[Gantt bars for Earthworks]																			
3	Pavement Wor	206 d	Thu 21	Mon 01	[Gantt bars for Pavement Work]																			
4	Shoulder Sub b	146 d	Fri 21	Wed 10	[Gantt bars for Shoulder Sub b]																			
5	Drainage	264 d	Tue 25	Sun 26	[Gantt bars for Drainage]																			
6	Bridge 36	127 d	Tue 28	Sun 19	[Gantt bars for Bridge 36]																			
7	Bridge 37	66 d	Sat 01	Fri 01	[Gantt bars for Bridge 37]																			
8	Bridge 38	55 d	Tue 15	Sun 01	[Gantt bars for Bridge 38]																			
9	Bridge 39	151 d	Tue 08	Thu 30	[Gantt bars for Bridge 39]																			
10	Bridge 40	65 d	Fri 04	Tue 31	[Gantt bars for Bridge 40]																			
11	Bridge 41	106 d	Mon 20	Thu 10	[Gantt bars for Bridge 41]																			
12	Bridge 42	62 d	Sun 01	Fri 22	[Gantt bars for Bridge 42]																			
13	Miscellaneous	168 d	Sat 01	Sat 20	[Gantt bars for Miscellaneous]																			
14	Furniture and r	19 d	Thu 28	Tue 23	[Gantt bars for Furniture and r]																			

#### A.2.3.3.2. Project activity to date

Table 6

Item	Project activity to date - 19/21km																			%	
	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10		5
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	Overlay (T-1)3,190/3,580km=6,770km	(T-2)3,020/2,315 km=5,335km	0
13	Overlay 40mm - 10440/51356m2		0
14	Overlay 80mm - 9812/0.000m2		0
15			0
16	Reconstruction -14,186/9,909km		0
17	Site Clearing and Grubbing - (10,32/17,9.4Ha) 9.106km/11.614km		15
18	Bulk earthworks - road embankment - (292529/321388m3) 9.106km/11.614km		10
19	Milling/Removing of existing asphalt pavement - (13562/11537m3) 9.106km/11.614km		15
20	Removing sub base material -11261/193287m3) 9.106km/11.614km		0
21	Formation level - (332398/295349m2) 9.106km/11.614km		5
22	Granular Capping layer - (350mm-82823/82707m3) 9.106km/11.614km		5
23	Granular Sub base layer -(225mm-18890/40785m3),(200mm-14250/0m3)) 9.106km/11.614km		0
24	Bituminous base course - 175mm - (160913/157963m2) 9.106km/11.614km		0
25	Wearing course - 50mm - (1717076/180646m2) 9.106km/11.614km		0
26	Granular shoulder - 225mm - (23704/237465m3) 9.106km/11.614km		0
27	Realignment -4,149km/0		0
28	Site Clearing and Grubbing - (10/7.1Ha) 1.657km/1.236km		0
29	Bulk earthworks - road embankment - (57818/18978m3) 1.657km/1.236km		0
30	Formation level -( 6158/11254m2) 1.657km/1.236km		0
31	Granular Capping layer - (350mm-7651/6983m3) 1.657km/1.236km		0
32	Granular Sub base layer - 225mm - (6030/4340m3) 1.657km/1.236km		0
33	Bituminous base course - 175mm - (16736/12139m2) 1.657km/1.236km		0
34	Wearing course - 50mm - (16435/11946m2) 1.657km/1.236km		0
35	Granular shoulder - 225mm - (2032/1385m3) 1.657km/1.236km		0
36	Structures - Bridges (7, culverts (124)		0
37	Bridge - Bridges new(6), rehab.(1) Work is going 2(new)		40
38	Culverts - 54/70num Work is going on 34 culverts		30
39	Finishing off the Project - 40km		0
40	Road signs and marking - 40km		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

### A.2.3.3.3. Project progress summary

Estimated delay is about 100 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	Action
1	1	yes	0+021	pipe	1250	Yes			Replace
2	2	yes	0+027	pipe	1250	Yes			Replace
1n	3	yes	0+370	pipe	1000	yes			Rehabilitate
2e	4	yes	0+789	pipe	1000	Yes			Rehabilitate
3e	5	yes	1+429	pipe	1000	Yes			Rehabilitate
4e	6	yes	3+117	pipe	1000	Yes			Rehabilitate
5e	7	yes	3+451	pipe	1000	Yes			Rehabilitate

6e	8	yes	3+799	pipe	1000	Yes		Rehabilitate
7n	9	no	4+070	pipe	3x1250	no		New
8e	10	yes	4+410	pipe	1000	Yes		Rehabilitate
9n	11	no	4+908	pipe	2x1250	no		New
10e	12	yes	5+103	pipe	1000	Yes		Rehabilitate
11e	13	yes	5+875	pipe	2,5x2,0	Yes		Replace
12n	14	no	5+889	pipe	1250	no		New
13e	15	yes	6+348	pipe	1000	Yes		Rehabilitate
14e	16	yes	6+650	pipe	1000	Yes		Rehabilitate
15e	17	yes	7+247	pipe	1000	Yes		Rehabilitate
16n	18	no	7+405	pipe	3x1250	no		New
3	19	yes	7+690	pipe	1000	Yes		Rehabilitate
17n	20	no	7+780	pipe	3x1250	no		New
18e	21	yes	7+964	pipe	1000	Yes		Rehabilitate
19e	22	yes	8+182	pipe	1000	Yes		Rehabilitate
20n	23	no	8+415	pipe	1250	no		New
4	24	yes	8+582	pipe	1000	Yes		Rehabilitate
21e	25	yes	8+948	pipe	1200	Yes		Rehabilitate
22e	26	yes	9+721	pipe	1000	Yes		Rehabilitate
23n	27	yes	9+928	pipe	1000	yes		Replace
24e	28	yes	11+070	pipe	1000	Yes		Replace
25e	29	yes	11+106	box	2,0x2,0	Yes		Replace
26e	30	yes	11+246	pipe	1000	Yes		Rehabilitate
5	31	yes	11+326	pipe	1000	Yes		Rehabilitate
27n	32	no	11+563	pipe	3x1250	no		New
6	33	yes	12+063	pipe	1000	Yes		Rehabilitate
28e	34	yes	12+738	pipe	1000	Yes		Rehabilitate
29e	35	yes	13+169	pipe	1000	Yes		Rehabilitate
30n	36	no	13+230	pipe	1250	no		New
31e	37	yes	13+368	pipe	1000	Yes		Rehabilitate
32e	38	yes	13+947	pipe	1500	Yes		Rehabilitate
33n	39	no	14+015	pipe	3x1250	no		New
34e	40	yes	14+737	pipe	1000	Yes		Replace
7	41	yes	14+837	pipe	1000	Yes		Rehabilitate
35e	42	yes	15+151	pipe	1000	Yes		Rehabilitate
36n	43	no	15+421	box	4,0x2,5	no		New
37e	44	yes	15+883	pipe	1000	Yes		Rehabilitate
38e	45	yes	15+965	pipe	1000	yes	05/07/2004	Rehabilitate
8	46	yes	16+365	pipe	1000	Yes	05/07/2004	Rehabilitate
39n	47	no	16+788	box	3,0x2,5	no		New
40n	48	yes	17+318	pipe	1250	yes		Replace
41n	49	yes	17+347	box	2,0x2,0	yes		Replace
42n	50	yes	17+429	pipe	1250	yes		Replace
43e	51	yes	17+731	box	2000*2000	Yes	09/07/2004	Rehabilitate
44e	52	yes	18+141	pipe	1000	Yes		Replace
45e	53	yes	18+409	pipe	1000	Yes	09/07/2004	Rehabilitate
46n	54	no	18+460	box	3,0x2,5	no		New
47e	55	yes	18+609	pipe	1000	Yes		Replace
48e	56	yes	18+797	pipe	1000	Yes	09/07/2004	Rehabilitate
9	57	yes	19+797	pipe	1250	Yes		Replace
49e	58	yes	20+988	pipe	1000	Yes		Replace
50e	59	yes	21+074	pipe	1000	Yes		Rehabilitate
51e	60	yes	21+158	pipe	1000	Yes		Rehabilitate
52e	61	yes	21+333	pipe	1000	Yes		Rehabilitate
53e	62	yes	21+693	pipe	1000	Yes		Rehabilitate
10	63	yes	21+893	box	2000*1000	Yes		deleted
54e	64	yes	22+136	pipe	1000	Yes	09/07/2004	Rehabilitate
55e	65	yes	22+148	pipe	1000	Yes	09/07/2004	Rehabilitate
56e	66	yes	22+379	pipe	1000	Yes	09/07/2004	Rehabilitate
57n	67	yes	22+624	pipe	1250	yes		Replace
11	68	no	22+926	pipe	1250	Yes		Replace
58e	69	yes	23+359	pipe	1250	Yes		Replace
59e	70	yes	23+948	pipe	1000	Yes		Replace
60e	71	yes	24+024	pipe	1000	Yes		Replace
61e	72	yes	24+521	pipe	1500	Yes		Rehabilitate



62e	73	yes	24+687	pipe	1000	Yes			Rehabilitate
12	74	no	24+887	pipe	1000	Yes	09/07/2004		Rehabilitate
63e	75	yes	25+113	pipe	1000	Yes	28/06/2004		Rehabilitate
64n	76	no	25+688	pipe	4,0x2,5	no			New
65e	77	yes	25+721	pipe	1000	Yes	28/06/2004		Rehabilitate
66e	78	yes	26+149	pipe	1000	Yes			Replace
13	79	yes	26+449	pipe	1000	Yes			Replace
67e	80	yes	26+742	pipe	1000	Yes			Replace
68e	81	yes	27+020	pipe	1000	Yes	23/09/2004		Replace
69e	82	yes	27+113	pipe	1250	Yes			Replace
70e	83	yes	27+543	box	2,0x2,0	Yes			deleted
71e	84	yes	27+643	pipe	2x2200	Yes			Replace
14	85	yes	27+743	pipe	1200	Yes			deleted
72e	86	yes	27+944	pipe	1000	Yes	28/06/2004		Rehabilitate
73e	87	yes	28+050	pipe	1250	Yes			Replace
15	88	yes	28+200	pipe	1000	Yes	06/07/2004		Rehabilitate
74e	89	yes	28+477	pipe	1000	Yes	16/09/2004	26/11/2004	Replace
75n	90	no	28+580	pipe	1250	no			New
76e	91	yes	28+620	pipe	1000	Yes	16/09/2004	27/11/2004	Replace
77e	92	yes	28+790	pipe	1000	Yes			Replace
78e	93	yes	28+999	pipe	1000	Yes	28/06/2004		Rehabilitate
79e	94	yes	29+405	pipe	2x1250	Yes	09/12/2004		Replace
80e	95	yes	29+461	pipe	1000	Yes			Replace
16	96	no	29+561	pipe	1000	Yes	09/12/2004		Replace
81e	97	yes	29+952	pipe	1000	Yes	28/06/2004	12/12/2004	Replace
82n	98	no	30+080	pipe	1250	no	28/11/2004	12/12/2004	New
17	99	yes	30+345	pipe	1000	Yes	10/12/2004	20/12/2004	Replace
83n	100	no	30+538	pipe	1000	no	28/11/2004	14/12/2004	New
84e	101	yes	30+892	pipe	1000	Yes	21/11/2004	03/12/2004	Replace
85e	102	yes	31+154	pipe	1000	Yes	17/10/2004	07/11/2004	Replace
86e	103	yes	31+515	pipe	1250	Yes	25/08/2004	15/11/2004	Replace
18	104	yes	31+615	pipe	1000	Yes	28/06/2004	05/11/2004	Replace
87e	105	yes	31+962	pipe	1000	Yes	04/10/2004	23/10/2004	Replace
88e	106	yes	32+096	pipe	2x1250	Yes	09/11/2004	20/11/2004	Replace
89e	107	yes	32+611	pipe	1000	Yes	06/07/2004	05/11/2004	Replace
90e	108	yes	32+876	pipe	1000	Yes	04/10/2004	22/10/2004	Replace
91e	109	yes	33+096	pipe	1000	Yes	28/06/2004	10/11/2004	Replace
92e	110	yes	33+352	pipe	1000	Yes	05/10/2004	20/10/2004	Replace
93e	111	yes	33+650	pipe	2x1250	Yes	13/11/2004	12/12/2004	Replace
94e	112	yes	33+832	pipe	600	Yes	03/11/2004	02/12/2004	Replace
95e	113	yes	34+073	pipe	1000	Yes	28/06/2004	12/12/2004	Replace
96e	114	yes	34+386	pipe	2x1250	Yes	04/12/2004	19/12/2004	Replace
97n	115	no	34+400	pipe	2x1250	no			deleted
98e	116	yes	35+076	pipe	600	Yes			Replace
99e	117	yes	35+533	pipe	1000	Yes	23/08/2004		Rehabilitate
100n	118	no	35+770	pipe	2x1250	no			New
101n	119	no	36+100	pipe	2x1250	no			deleted
102e	120	yes	36+211	pipe	1250	Yes			Replace
19	121	yes	36+361	pipe	1000	Yes			Rehabilitate
103e	122	yes	36+585	pipe	1000	Yes			Rehabilitate
104n	123	yes	38+575	pipe	1250	yes			Replace
105e	124	yes	38+591	box	2,0x2,0	Yes			Rehabilitate
20	125	yes	38+796	pipe	1000	Yes			Replace
106e	126	yes	39+377	pipe	1250	Yes			Replace

#### A.2.3.3.3.1.2. Progress on bridges

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

Table 8

Bridge No	Chainage where the to be build	Description of the existing structure	Existing (meter)	Carriage way	Action proposed by our design tender review done August 2003	Description according to the project (meter)	Size According to the project	Carriage way
36	2+310	3*14.0	48	7	Replace/New	12+21+12	54.3	11.5
37	3+076	1*22.16	28	7	Replace/New	1*22.16	36.21	11.5
38	5+597	1*13.50	14.6	7	Repair	1*18.0	18.9	11.5
39	20+168	3*22.16	82.48	7	New	5*18.0	90.0	11.5
40	27+997	4.4*5.0 B	9.4	7	Box culvert	5.0*2.5 B	23.5	9
41	34+870	1*22.16	23.06	7	Repair	1*22.16	23.06	11.5
42	37+539	6*22.16	138.96	8.9	Repair	6*22.16	138.96	10

#### A.2.3.3.3.1.2.2. Bridge 36

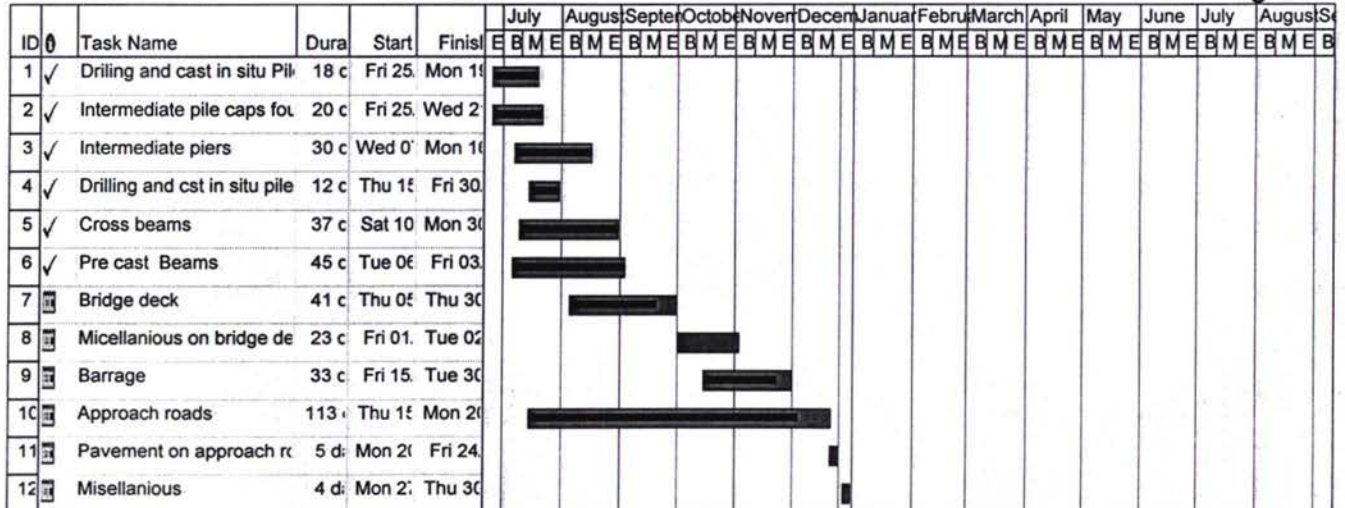
Contractor have submitted execution drawings and after our acceptance those drawings been forwarded to RTSD for attention and consideration. The Client's approval is pending.

#### 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. The Client's approval is pending.

#### A.2.3.3.3.1.2.4. Bridge 39

Figure 3



#### A.2.3.3.3.1.2.3. Bridge 41

The Contractor start Works and presently all piles are driven and concreted, abutment cross beams are in place and intermediate support pre cast pears are positioned. Contractor start with positioning of the pre cast beams for bridge deck.

#### A.2.3.3.3.2. Problems which might effect the completion date

Table 9

Problems associated with completing the Contract in time	Actions taken
Early warnings – clause 32, Conditions of Contract – existing buildings along the road, narrow road within the urban locations and our proposal to original	Comprehensive study done by us and sent for Client's

pavement urban design	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
Existing road sub grade is a blackish soil which as a material tested in lab just pass the low Specification limits but with a bit of extra water make the material collapsing in a rubber kind of mass exceptionally plastic and non compactable	Client observe the problem during the site visit end of November 2004
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

#### **A.2.3.4. Claims and Variations**

##### **A.2.3.4.1. Claims**

###### **A.2.3.4.1.1. Claim №1 – Late advance payment**

First Contractor's claim has been received - Requested Advance payment of 20% has been delayed and Contractor has claimed (see Contractor's letter 248 dated May 11th, 2004 and Consultant letter to the MoT P170 dated 11 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 claimed interest on late payments. The claim is under PM's consideration and attention.

###### **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**

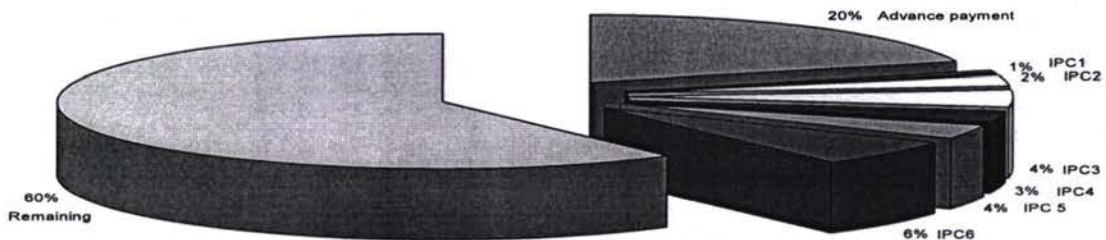
**A.2.3.5.1. Interim Payment Certificates to date**

**Table 10**

Item	Date	IPC	Value AZM	%	Status
1	30/05/04	Advance	12,016,452,848.20	19.96%	paid
2	15/07/04	IPC1	603,439,200.00	1.00%	paid
3	30/07/04	IPC2	1,491,459,373.00	2.48%	paid
4	30/08/04	IPC3	2,455,375,624.00	4.08%	paid
5	30/09/04	IPC4	1,604,595,238.50	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
			24,014,921,292.62	39.88%	Not fully
		Available	36,199,250,086.23	60.12%	Remained
		Contract price	60,214,171,378.85	100.00%	

**Figure 4**

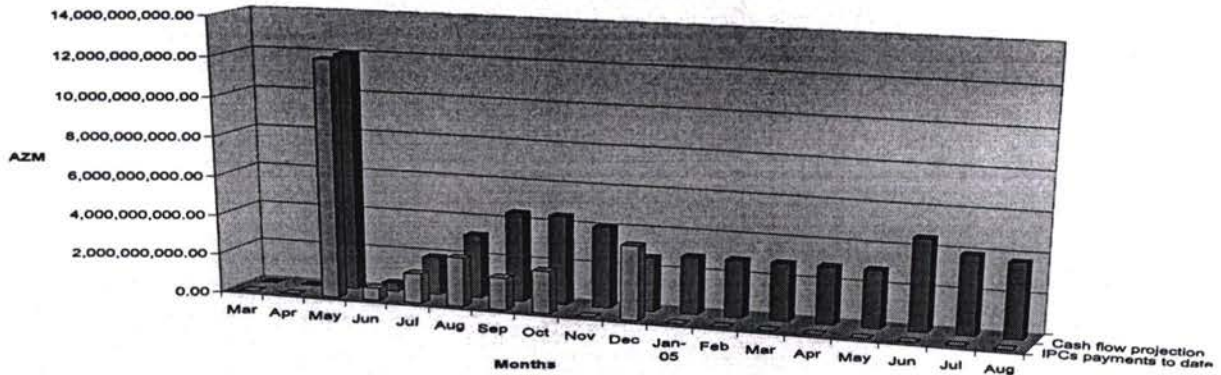
**Contracts CW2003-1 & 2, Payments to date and the remaining value of Works**



**A.2.3.5.2. Cash Flow projection**

**Figure 5**

Contract CW2003-1&2, Comparison between the Contractor's updated cash flow projection (July 9th 2004) and the actual IPC payments



A.2.3.6. Testing results

Table 11

SUMMARY OF LABORATORY TESTING DURING DECEMBER MONTH

Description of Work		Test Performed				Remarks
		Total	Passed	Retested	% Passed	
<b>Road Embankment</b>						
1	FDT/Nuclear Density	361	348	13	96.4	
2	PI	3	0	3	0	
3	MDD/Proctor	3	0	3	0	
4	CBR	3	0	3	0	
5	Moisture Content	3	0	3	0	
<b>Granular capping layer or selected sub grade fill- 1 (175mm Of 350mm)</b>						
1	Gradation	1	1	0	100	
2	FDT/Nuclear Density	16	13	3	81.2	
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)	1	1	0	100	
2	FDT/Nuclear Density	0	0	0	0	
3	MDD/Proctor	1	1	0	100	
4	LAA	1	1	0	100	
5	Sp. Gravity	1	1	0	100	
6	Water Absorption	1	1	0	100	
7	Moisture Content	1	1	0	100	
8	CBR	1	1	0	100	
9	PI	1	1	0	100	
<b>Concrete Works</b>						
1	Compression Test	68	68	0	100	
2	Slump	34	34	0	100	
3	Gradation	2	2	0	100	
4	LAA	1	1	0	100	
5	Soundness	0	0	0	100	
6	Sp. Gravity	0	0	0	100	
7	Flakiness Index	0	0	0	100	
8	Sand equivalent	1	1	0	100	
9	Unit Weight	166	166	0	100	

A.2.3.7. Correspondence records

A.2.3.7.1. Incoming Letters

Table 12

Item	Date Received	Send ref	Subject	Replay status	
				Date Sent	Our Ref:
1	30/11/2004	185-D	Following designs	30/11/2004	258
2	30/11/2004	186-D	Km 29+952 and Km 34+073	06/12/2004	240
3	30/11/2004	187-D	Drawings coordinated	14/12/2004	259
4	01/12/2004	189-D	Metal water pipeline d=600mm	06/12/2004	241
5	01/12/2004	190-D	Methods of Statement Bridge No41	07/12/2004	249
6	02/12/2004	192-D	Shop drawings of the pipe	07/12/2004	251
7	02/12/2004	193-D	Tables of volumes of works Km0+000-40+000		
8	03/12/2004	194-D	Certificates for cement	14/12/2004	260
9	03/12/2004	195-D	Reports of water	14/12/2004	261
10	03/12/2004	196-D	Existing cross	06/12/2004	242
11	03/12/2004	552	Regarding replacement of pipe	07/12/2004	250
12	04/12/2004	560	Bridge No 38		
13	04/12/2004	197-D	Design drawings	14/12/2004	262
14	04/12/2004	198-D	Construction of animal passing at KM 15+421,16+788,18+460,25+688		
15	04/12/2004	199-D	Costs of road construction		
16	07/12/2004	200-D	Shop drawings	14/12/2004	263
17	07/12/2004	201-D	Price Analysis		
18	10/12/2004	202-D	Payment Certificate No 6	14/12/2004	264
19	13/12/2004	203-D	Schedule of work	14/12/2004	267
20	14/12/2004	204-D	Certificates		
21	15/12/2004	205-D	Design Project for section KM 0+000 KM 6+000	14/12/2004	265
22	16/12/2004	206-D	Shop drawings	14/12/2004	268
23	20/12/2004	207-D	Payment Certificate No 6		
24	21/12/2004	208-D	CV of Mansurov Mahammad and a new organogramme		
25	21/12/2004	209-D	KM 12+000 KM 19+417		
26	21/12/2004	210-D	Certificate of plastisizer for concrete		
27	21/12/2004	211-D	Drawings of service ducts at KM 30+890 KM 29+952 KM 29+440		

#### A.2.3.7.2. Outgoing letters

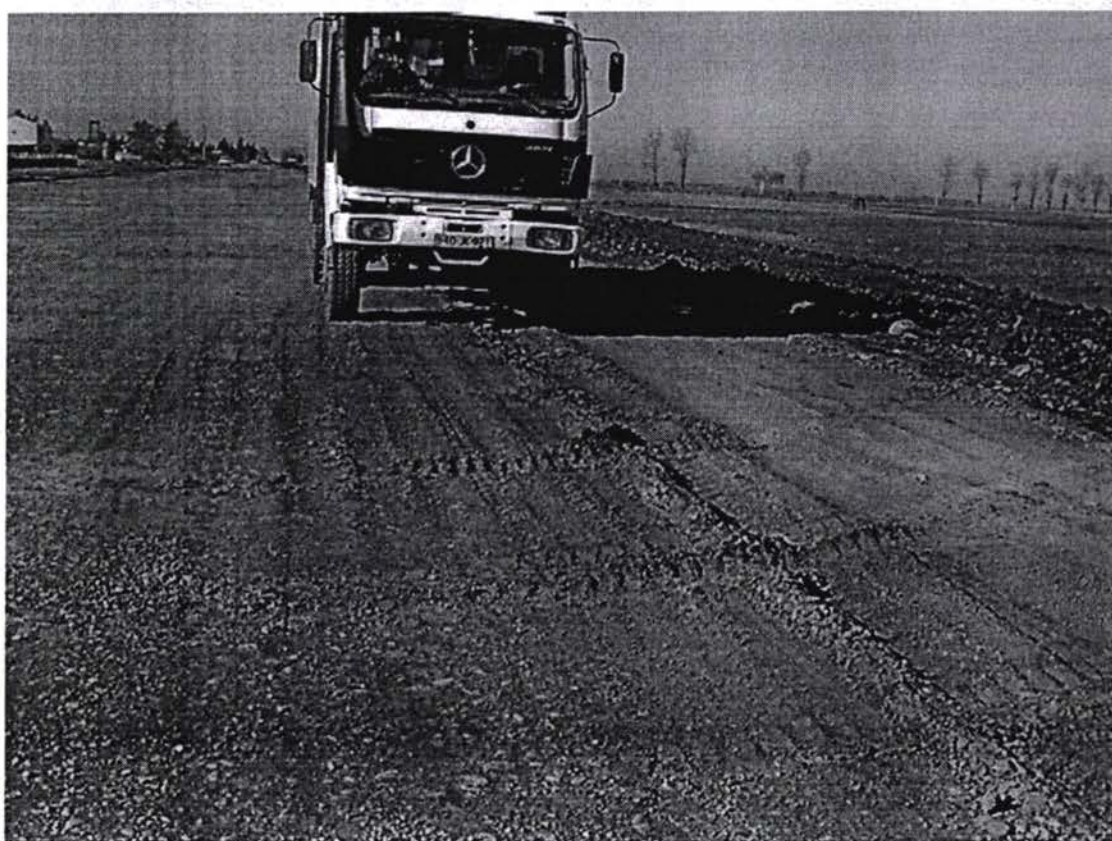
Table 13

Item	Date	Our ref	In response to	Subject	Required Yes/No
	Posted				
1	01/12/2004	227	168/19.11.04	Letter 168-D	no
2	01/12/2004	228	182/26.11.04	Letter 182-D	no
3	07/12/2004	229	N/A	Protection form Water-Item 113	no
4	07/12/2004	230	169/19.11.04	Letter 169-D	yes
5	07/12/2004	231	175/24.11.04	Letter 175-D	no
6	07/12/2004	232	176/24.11.04	Letter 176-D	no
7	07/12/2004	233	178/24.11.04	Letter 178-D	yes
8	07/12/2004	234	177/24.11.04	Letter 177-D	no
9	07/12/2004	235	179/26.11.04	Letter 179-D	no
10	07/12/2004	236	180/26.11.04	Letter 180-D	no
11	07/12/2004	237	168/19.11.04	Letter 168-D	yes
12	07/12/2004	238	181/26.11.04	Letter 181-D	yes
13	07/12/2004	239	184/29.11.04	Letter 184-D	no
14	07/12/2004	240	186/30.11.04	Letter 186-D	no
15	07/12/2004	241	189/01.12.04	Letter 189-D	no
16	07/12/2004	242	196/02.12.04	Letter 196-D	no

17	07/12/2004	243	548/25.11.04	Letter 548-D	no
18	07/12/2004	244	549/25.11.04	Letter 549-D	no
19	10/12/2004	245	547/25.11.04	Letter 547-D	no
20	07/12/2004	246	N/A	Unsuitable material	yes
21	10/12/2004	247	183/26.11.04	Letter 183-D	no
22	10/12/2004	248	555/30.11.04	Letter 555	no
23	10/12/2004	249	190/01.12.04	Letter 190-D	no
24	10/12/2004	250	552/26.11.04	Letter 552-D	no
25	10/12/2004	251	192/02.12.04	Letter 192-D	no
26	13/12/2004	252	N/A	Monthly Progress Minutes of Meeting-Nov 2004	no
27	14/12/2004	253	N/A	Concreting during the winter season conditions	no
28	15/12/2004	254	N/A	Intermediate Minutes of Meeting for telephone cables, held 03.12.04 at the RE	yes
29	15/12/2004	255	199/04.12.04	Letter 199-D	no
30	16/12/2004	256	163/14.11.04	Letter 163-D	no
31	16/12/2004	257	172/22.11.04	Letter 172-D	no
32	16/12/2004	258	185/30.11.04	Letter 185-D	no
33	16/12/2004	259	187/30.11.04	Letter 187-D	yes
34	16/12/2004	260	194/02.12.04	Letter 194-D	no
35	16/12/2004	261	195/02.12.04	Letter 195-D	no
36	16/12/2004	262	197/04.12.04	Letter 197-D	no
37	16/12/2004	263	200/07.12.04	Letter 200-D	no
38	16/12/2005	264	202/10.12.04	Letter 202-D	no
39	16/12/2004	265	205/14.12.04	Letter 205-D	no
40	16/12/2004	266	N/A	Laboratory results for material	yes
41	17/12/2004	267	203/11.12.04	Letter 203-D	no
42	17/12/2004	268	206/16.12.04	Letter 206-D	no

#### A.2.3.8. Project progress photos

Proof rolling over sections done with material taken out of the existing embankment as per the recommendations given in the original design– during RTSD representative's site visit





Contractor fixing embankment layers where ever existing material (under A/C) in situ been used - after rain



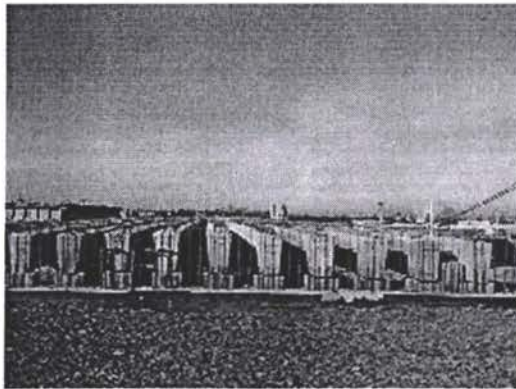
Sections done with the existing material in situ after removing the A/C layer as recommended by the original Design

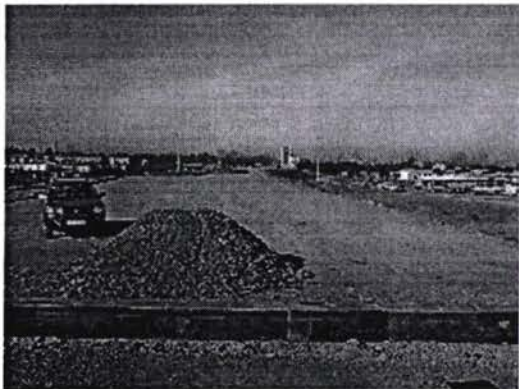


Bridge 41 – works in progress



Bridge 39 – works in progress



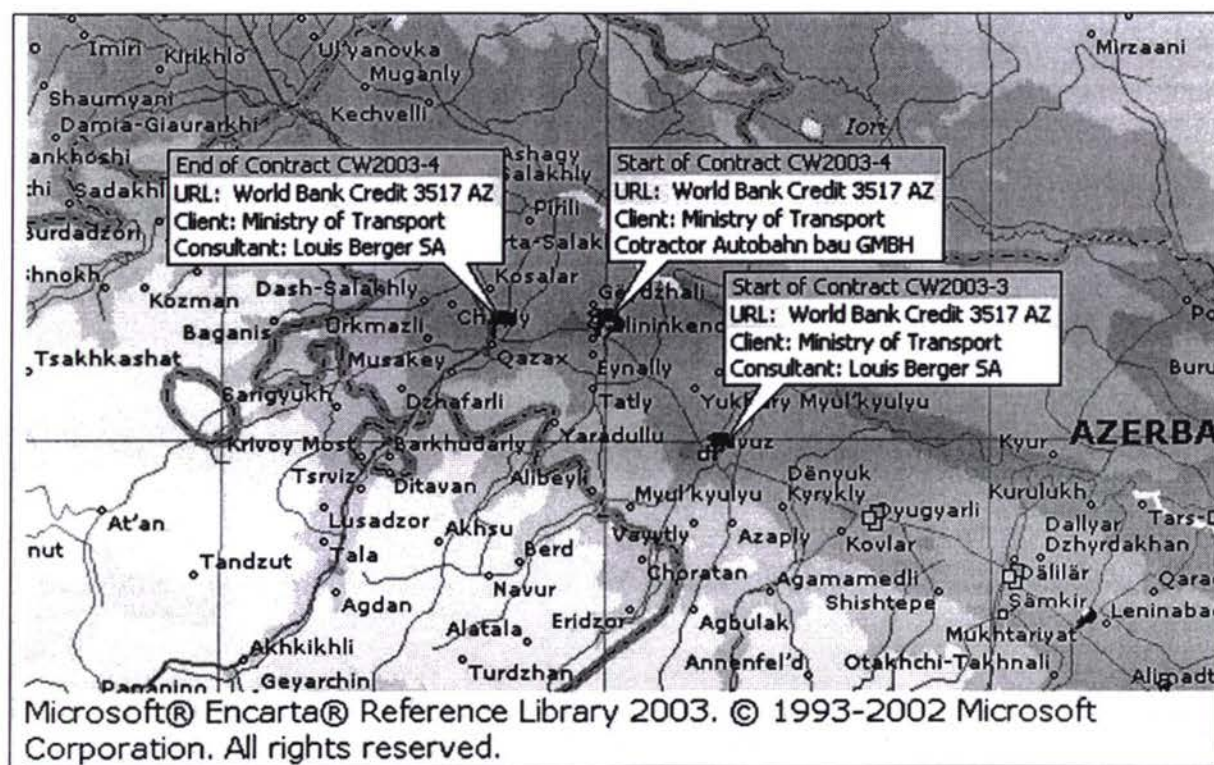


## Rehabilitation of Caucasian Highways Azerbaijan Quarterly Technical report

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	7,478,197,917.60AZM
Value of Works done to date	8,525,978,545.45AZM
Value of Works done to date (%)	18.56%
Variations	N/A
Advance Payment (20%)	9,187,476,881.42 AZM
Repayments made	N/A
Delays	106 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	313 days
Time remaining to date	235 days

### B.2.3.3. Progress report

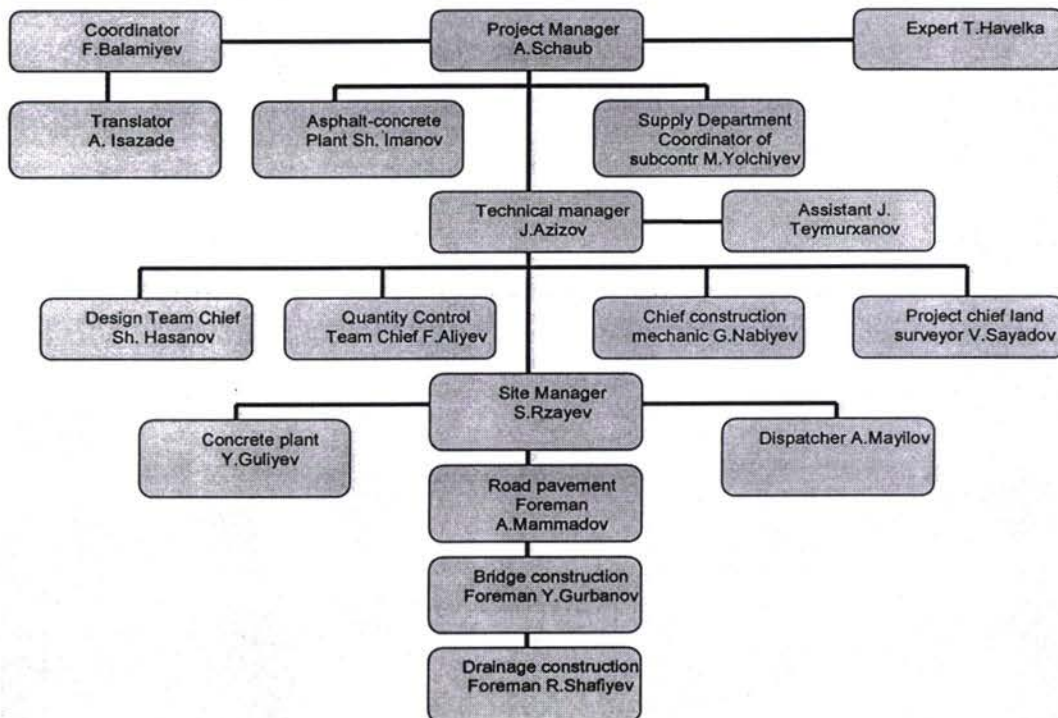
#### B.2.3.3.1. Status of the Contract

Since start (February 23<sup>rd</sup>2004) the Contractor have been on site 313 days or 57.12% of the Contractual time and to date are remaining 235 days or 42.88% 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)

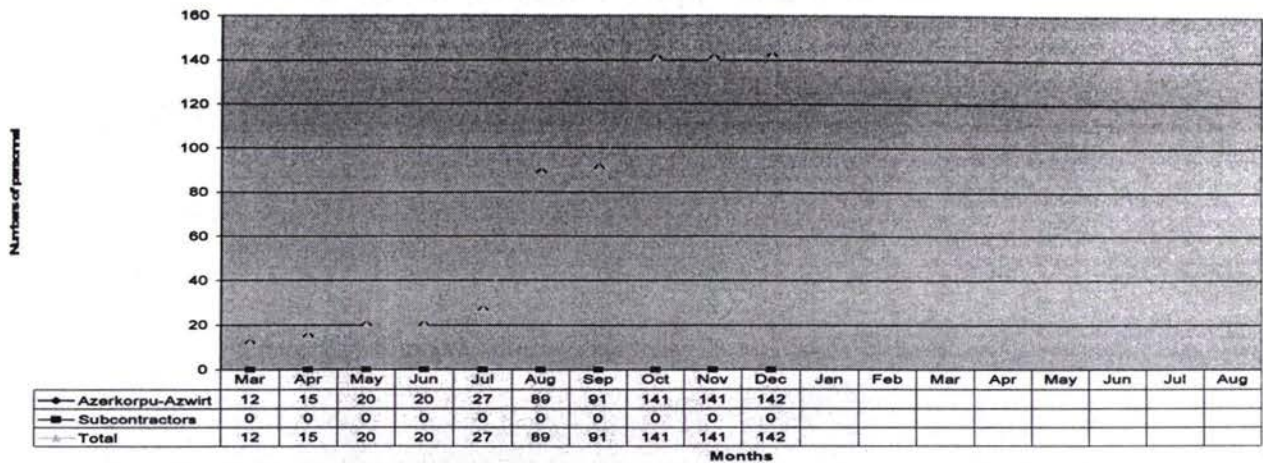
Figure 1



##### 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	project	Available
1	Dumper truck	KAMAZ-18 items;KAMAZ-8/12t;(1996,1999)Super-40tMZKT65158-20t;SuperMaz-2items;MZKT65158-4 items	no	44	13
2	Bus	"Semar"-1997	no	2	1
3	Vibro roller	HAMM, Germany;Hamm, 180h/p	no	2	2
4	Excavator	Liebherr 0345; V-1m3 (1998)	no	2	7
5	Grader	DZ;DZ-122;DZ-98;100kw;(2000)	no	4	5
6	Loader	Liebherr L508;40KW(1989)	no	2	1
7	Lorry	KAMAZ5511;13t (1999)	no	20	12
8	Milling Machine	Wirtgen 2000 DC, Germany;(1993)	no	2	1
9	Crusher Plant	SBM 10/12/6 & 10/6/6;220 t/h; 1993	no	2	0
10	Asphalt mix Plant	Wibau GmbH;W 200-5-5,Komm. Nr.119981;200t/h;(1992)	no	2	1
11	Vibrating plate	Bomag GmbH;AVP 29/20;Bomag(1999,2000)	no	4	1
12	Bulldozer	CHTZ;DZ-170;150KW(2000)	no	2	2
13	Asphalt Paver	Joseph Vogele AG;Vogale Super 2000;500t/h;(1993)	no	2	2
14	Truck crane	2 items	no	4	4
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	BomagGmbH;BW 20R;M=1250kg(1995)	no	6	4
21	Cold milling Machine	Wirtgen GmbH;dc2000;h=0,3m;(1992)	no	2	1
22	Semi trailer low bed	Yalchin Dorse Damper San 7Tic.Ltd:	no	2	2
23	Concrete Mixer	Atika Ultra;Atika;V=1M3;(1998)	no	2	0
24	Concrete Mixer	Stroy mash;CB136A;V=1M3;(1999)	no	4	3
25	Bitumen Spreader	KAMAZ53213;(1999)-tank cap 13t(1999).	no	2	0
26	Service van	Gazel;10t;(1998)	no	2	2
27	Road roller	Bomag BW 161 AD(1998)	no	2	3
28	Compressor	Atlas Copso,Germany;(1998)	no	2	0
29	Hidrohammer	Krupp,Germany; (1998)	no	6	0
30	Testing bore	Germany (1998)	no	2	0
31	Zeiss Ni2,Rec-Elita/nivelir	Germany, Zeiss Ni2,Rec-Elta/nivelir;(1998)	no	2	2



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

The Contractor submits updated and revised Work Programme on December 27<sup>th</sup> 2004 only.

### B.2.3.3.2. Project activity to date

**Table 6**

Item	Project activity to date -21/12 km																%		
	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25		20	15
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	Overlay 5,556/1,436km =6,992km																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	Reconstruction 11,434/6,963km=18,397km																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																40		
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																0		
22	Granular Capping layer - 200mm (28316/12008 m3) 9.426km/5.094km																0		
23	Granular Sub base layer - 225mm (32571/30521 m3) 9.426km/5.094km																0		
24	Bituminous base course - 150mm (91112/55257 m2) 9.426km/5.094km																0		
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	Realignment -1,713/3,597 km=5,310km																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																60		
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	Structures - Bridges (4), culverts (94)	0
37	Bridge -(4)new To start new bridge	30
38	Culverts - 65/29num Work is going on 31 culverts	40
39	Finishing off the Project - 33km	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 106 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	Action
107e	1	yes	40+788	Box	2,0x2,0	yes			Replace
108e	2	yes	41+896	Box	3,0x3,5	yes			Replace
109e	3	yes	42+241	Pipe	1000	yes			Replace
110e	4	yes	42+518	Pipe	1250	yes			Replace
22	5	yes	42+618	Pipe	1250	yes			Replace
111e	6	yes	42+872	Pipe	1250	yes			Replace
23	7	yes	42+972	Pipe	1250	yes			Replace
112e	8	yes	43+188	Pipe	1250	yes			Replace
113e	9	yes	43+454	Pipe	1250	yes			Replace
114e	10	yes	43+772	Pipe	1000	yes			Replace
115e	11	yes	44+040	Pipe	1250	yes			Replace
116e	12	yes	44+230	Pipe	1000	yes			Replace
117n	13	no	44+450	Box	4,0x2,5	no			New
118n	14	no	45+075	Pipe	2x1250	no			New
119e	15	yes	45+099	Pipe	1250	yes			Replace
120e	16	yes	45+515	Pipe	1250	yes			Replace
121e	17	yes	45+804	Pipe	1250	yes			Replace
122e	18	yes	46+242	box	2200	yes			Replace
24	19	yes	46+421	Pipe	1000	yes			Replace
123e	20	yes	46+504	Pipe	1250	yes			Replace
25	21	yes	46+815	Pipe	2200	yes			Replace
26	22	yes	47+137	Pipe	1000	yes			Replace
27	23	yes	47+270	Pipe	1250	yes			Replace
28	24	yes	47+404	Pipe	1250	yes			Replace
124e	25	yes	47+730	Box	2,0x2,0	yes	05/07/2004		Rehabilitate
125e	26	yes	48+108	Pipe	1000	yes			New
126e	27	yes	48+396	Pipe	2200	yes			Replace
127e	28	yes	48+700	Pipe	1000	yes	06/11/2004	18/11/2004	Replace
128e	29	yes	49+066	Pipe	1250	yes	10/09/2004	04/12/2004	Replace
129e	30	yes	49+250	Pipe	1250	yes	13/11/2004	30/11/2004	Replace
130e	31	yes	49+614	Pipe	1250	yes	22/11/2004	01/12/2004	Replace
29	32	yes	49+657	Pipe	1000	yes			Replace
131e	33	yes	50+155	Box	4,0x5,0	yes			Replace
132e	34	yes	50+845	Pipe	500	yes	13/11/2004	06/12/2004	Replace
133e	35	yes	50+964	Pipe	1250	yes	21/09/2004	20/10/2004	Replace
30	36	yes	51+064	Pipe	1000	yes			deleted
31	37	yes	51+360	Pipe	1000	yes	07/11/2004	19/11/2004	Replace
134n	38	yes	51+430	Pipe	2x1250	yes	15/09/2004	07/10/2004	Replace
135e	39	yes	51+540	Pipe	1000	yes	31/10/2004	20/11/2004	Replace
136e	40	yes	51+649	Pipe	1000	yes	23/09/2004	15/10/2004	Replace
32	41	yes	51+800	Pipe	1000	yes			deleted
137e	42	yes	52+041	Pipe	1000	yes	30/10/2004	20/11/2004	Replace

138e	43	yes	52+460	Pipe	1000	yes	02/10/2004	18/10/2004	Replace
33	44	yes	53+136	Pipe	1000	yes	25/09/2004	09/10/2004	Replace
139e	45	yes	53+421	Pipe	1000	yes	10/11/2004	17/11/2004	Replace
140e	46	yes	53+456	Pipe	1000	yes	03/09/2004	17/10/2004	Replace
141e	47	yes	53+697	Pipe	1000	yes	22/10/2004	05/11/2004	Replace
142e	48	yes	53+865	Pipe	2x500	yes	06/12/2004	22/12/2004	Replace
143e	49	yes	53+980	Pipe	1000	yes	13/10/2004	28/10/2004	Replace
144e	50	yes	54+121	Pipe	2x500	yes	15/11/2004	02/12/2004	Replace
145e	51	yes	54+331	Pipe	2x500	yes	03/12/2004	19/12/2004	Replace
146e	52	yes	54+505	Pipe	500	yes	12/11/2004	30/11/2004	Replace
34	53	no	54+618	Pipe	500	yes	22/11/2004	30/11/2004	New
147e	54	yes	54+593	Pipe	1250	yes	10/09/2004	26/10/2004	Replace
148e	55	yes	54+924	Pipe	1250	yes	11/12/2004	19/12/2004	Replace
35	56	yes	55+150	Pipe	1000	yes	07/10/2004	23/10/2004	Replace
149e	57	yes	55+405	Pipe	2x500	yes	25/11/2004	03/12/2004	Replace
36	58	yes	55+567	Pipe	1250	yes	22/12/2004		Replace
150n	59	yes	56+502	Pipe	600	yes			Replace
151e	60	yes	57+003	Pipe	1250	yes	17/12/2004		Replace
152e	61	yes	57+093	Pipe	500	yes	15/11/2004	25/11/2004	Replace
153n	62	yes	57+578	Pipe	500	yes	11/11/2004	21/11/2004	Replace
37	63	yes	58+014	Pipe	2x500	yes	08/11/2004	07/12/2004	Replace
154e	64	yes	58+124	Pipe	2x500	yes	22/11/2004	04/12/2004	Replace
155e	65	yes	58+520	Pipe	1250	yes	15/12/2004		Replace
156e	66	yes	58+549	Pipe	2x1000	yes			Replace
157n	67	yes	58+758	Pipe	1000	yes			Replace
38	68	yes	59+175	Pipe	500	yes	05/12/2004	10/12/2004	Replace
158e	69	yes	59+593	Pipe	500	yes			Replace
159n	70	no	59+850	Box	4,0x2,5	no			New
39	71	no	60+131	Pipe	1000	yes	30/10/2004	13/11/2004	New
160e	72	yes	60+986	Box	1250	yes			Replace
161n	73	no	62+050	Box	3,0x2,5	no			New
162e	74	yes	62+449	Pipe	1000	yes			Replace
163e	75	yes	62+627	Pipe	1000	yes			Replace
164e	76	yes	63+233	Pipe	1000	yes	06/07/2004		Rehabilitate
165e	77	yes	63+744	Pipe	1000	yes			Replace
166e	78	yes	64+039	Pipe	1250/1000	yes			Replace
167e	79	yes	64+456	Pipe	1000	yes	06/07/2004		Rehabilitate
168e	80	yes	65+004	Box	4,0x2,0	yes			Replace
169e	81	yes	65+725	Box	2,0x1,5	yes			Replace
170e	82	yes	67+033	Pipe	1250	yes			Replace
171e	83	yes	67+320	Pipe	1250	yes			Replace
172e	84	yes	67+612	Pipe	1000	yes			Replace
173e	85	yes	67+880	Pipe	1000	yes	06/07/2004		Rehabilitate
174e	86	yes	68+095	Pipe	1000	yes			Replace
175e	87	yes	68+654	Box	4,5x3,5	yes			Replace
40	88	yes	68+954	Pipe	1000	yes			deleted
176e	89	yes	69+427	Box	3(3,0x4,0)	yes			Full water
41	90	yes	69+600	Pipe	1250	yes			Replace
177e	91	yes	70+250	Box	2,0x2,0	yes			Replace
178e	92	yes	70+361	Box	3,5x3,5	yes			Replace
179e	93	yes	71+562	Pipe	1000	yes			Replace
180n	94	yes	71+641	Box	2,0x2,0	yes			Replace
181e	95	yes	71+851	Box	2,0x2,0	yes			Full water
182e	96	yes	72+709	Pipe	1000	yes			Replace

### B.2.3.3.3.1.2. Progress on Bridges

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

Table 8



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
Existing road sub grade is a blackish soil which as a material tested in lab just pass the low Specification limits but with a bit of extra water make the material collapsing in a rubber kind of mass exceptionally plastic and non compactable	Client observe the problem during the site visit end of November 2004
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 (KA/F-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

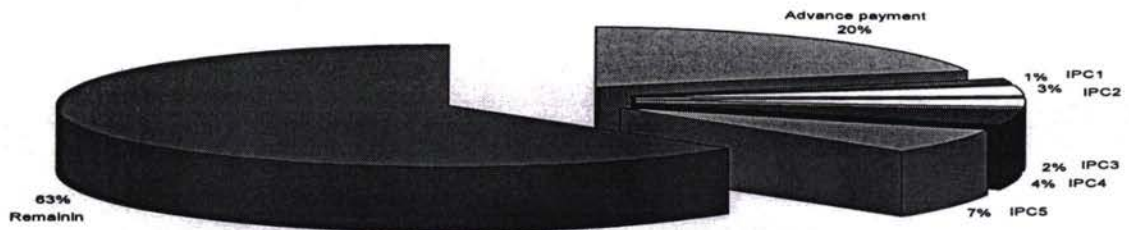
Table 10

Item	Date	IPC	Value AZM	%	Status
1	30/05/04	Advance	9,187,476,881.42	20.00%	paid
2	15/07/04	IPC1	582,606,720.00	1.27%	paid
3	30/07/04	IPC2	1,367,804,350.40	2.98%	paid
4	30/08/04	IPC3	945,010,642.00	2.06%	not yet
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
		To date	17,092,789,662.82	37.21%	not fully

	Available	26,360,384,407.62	62.79%	Remained
	Contract price	45,937,384,407.14	100.00%	

Figure 4

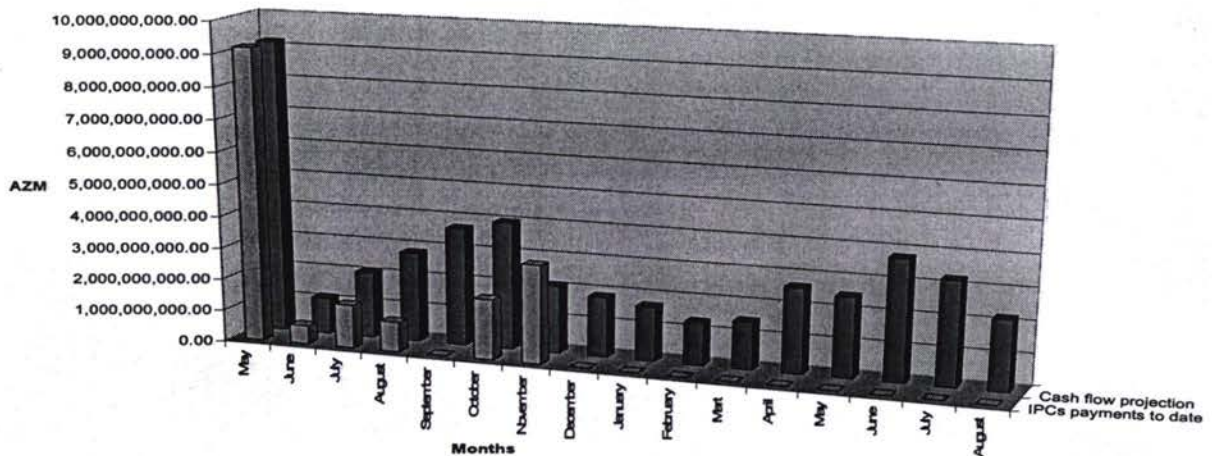
Contracts CW2003-3 & 4, Payments to date and the remaining value of Works



B.2.3.5.2. Cash Flow projection

Figure 5

Contracts CW2003-3 & 4, Comparison between the Contractor's updated cash flow projection (July 8th2004) and the actual IPCs payments



B.2.3.5.3. Contract assessment - Contract time

Contract is running about 256 days delay including 150 days initial delay for longitudinal redesign.

B.2.3.6. Testing results

Table 11

SUMMARY OF LABORATORY TESTING DURING DECEMBER MONTH

Description of Work		Test Performed				Remarks
		Total	Passed	Retested	% Passed	
<b>Road Embankment</b>						
1	FDT/Nuclear Density	618	597	21	96.1	
2	PI	2	0	2	0	

3	MDD/Proctor	2	0	2	0
4	CBR	2	0	2	0
5	Moisture Content	2	0	2	0
<b>Granular capping layer or selected sub grade fill-1 (175mm 0f 350mm)</b>					
1	Gradation	1	1	0	100
2	FDT/Nuclear Density	50	39	11	78.0
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)	1	1	0	100
2	FDT/Nuclear Density	25	17	8	68.0
3	MDD/Proctor	1	1	0	100
4	LAA	1	1	0	100
5	Sp. Gravity	1	1	0	100
6	Water Absorption	1	1	0	100
7	Moisture Content	1	1	0	100
8	CBR	1	1	0	100
9	PI	1	1	0	100
<b>Concrete Works</b>					
1	Compression Test	211	211	0	100
2	Slump	103	103	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	211	211	0	100
<b>Bituminous road base 2 (75mm)</b>					
1	Gradation	1	1	0	100
2	LAA	1	1	0	100
3	Stripping Test	1	1	0	100
4	Fractured face	1	1	0	100
5	Core-cutting (thickness)	0	0	0	0
6	Extraction test	1	1	0	100
7	Stability	1	1	0	100
8	Flow	1	1	0	100
9	Air Voids	1	1	0	100
10	VMA/VFA	1	1	0	100

### B.2.3.7. Correspondence records

#### B.2.3.7.1. Incoming Letters

Table 12

	Date Received	Send ref	Subject	Replay	
				Date Sent	Our Ref.
1	03/12/2004	182	Schedule of work on the Bridge No46	07/12/2004	208
2	03/12/2004	183	Detour from km 64+940 to km 69+780	07/12/2004	209
3	03/12/2004	184	Letter 195		
4	04/12/2004	185	Price Analyses		
5	06/12/2004	186	Design drawings		
6	06/12/2004	187	Design drawings of pipes	14/12/2004	214
7	06/12/2004	188	Engineering calculation of the Aqueduct d=0.6M on KM 56+502	14/12/2004	215
8	06/12/2004	108	Certificate of bitumen analysis	14/12/2004	212
9	07/12/2004	189	Design drawings of pipes	14/12/2004	216
10	08/12/2004	190	Bill of Quantity		
11	11/12/2004	191	Price Analyses of Bridge No 46		
12	13/12/2004	192	Change of the longitudinal profile between KM 53+400 KM 55+500		
13	14/12/2004	193	Price Analyses		

14	16/12/2004	194	Corrected Design Drawings, Bill of Quantity and Topographical survey for the bridge No 47 Km 70+908		
15	16/12/2004	195	Design Drawings Bill of Quantity, Method of construction for the bridge on KM 50+154		
16	16/12/2004	196	Price Analyses		
17	16/12/2004	197	Price Analyses		
18	16/12/2004	198	Bill of Quantity		
19	20/12/2004	199	Preliminary approval of the junction on KM 59+755		
20	20/12/2004	200	Schedule of work		
21	20/12/2004	201	Quality Certificate of laboratory equipment		
22	20/12/2004	202	Price Analyses 403a, 403b		
23	20/12/2004	203	Prime Coat		
24	20/12/2004	204	Binder course design and quality certificate of bitumen		
25	20/12/2004	205	Design drawings of service duct		

### B.2.3.7.2. Outgoing letters

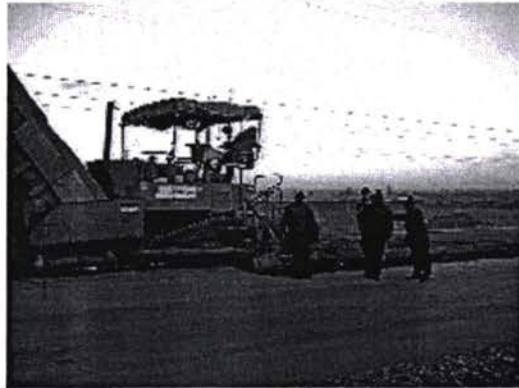
Table 13

Item	Date Posted	Our ref	In response to	Subject	Replay status	
					Date Sent	Sender's Ref:
1	07/12/2004	196	N/A	Trial section of sub base at km 51+040 to km 51+100		
2	07/12/2004	197	N/A	Protection form Water-Item 113		
3	07/12/2004	198	N/A	Unsuitable material		
4	10/12/2004	199	KA/F-150/04	Letter KA/F- 150/11.11.04		
5	10/12/2004	200	KA/F-162/04	Letter KA/F- 162/18.11.04		
6	10/12/2004	201	KA/F-170/04	Letter KA/F-170/19.11.04		
7	10/12/2004	202	KA/F-174/04	Letter KA/F-174/24.11.04		
8	10/12/2004	203	KA/F-176/04	Letter KA/F-176/26.11.04		
9	10/12/2004	204	KA/F-178/04	Letter KA/F-178/27.11.04		
10	10/12/2004	205	KA/F-179/04	Letter KA/F-179/29.12.04		
11	10/12/2004	206	KA/F-180/04	Letter KA/F-180/29.11.04		
12	10/12/2004	207	KA/F-181/04	Letter KA/F-181/30.11.04		
13	10/12/2004	208	KA/AS-182/04	Letter KA/AS-182/29.11.04		
14	10/12/2004	209	KA/AS-183/04	Letter KA/AS-183/29.11.04		
15	15/12/2004	210	N/A	Concreting during the winter season conditions		
16	15/12/2004	211	N/A	Intermediate Minutes of Meeting for telephone cables held 03.12.04		
17	15/12/2004	212	KA/A-108/04	Letter KA/A-108/12.12.04		
18	15/12/2004	213	N/A	Progress Minutes of Meeting of Meeting-November 2004		
19	15/12/2004	214	KA/AS-187/04	Letter KA/AS-187/06.12.04		
20	16/12/2004	215	KA/AS-188/04	Letter KA/AS-188/06.12.04		
21	15/12/2004	216	KA/AS-189/04	Letter KA/AS-189/07.12.04		
22	17/12/2004	217	N/A	Revised and updated Work Programme		



### B.2.3.8. Project progress photos

Starting off the sub base course – trial section



500mm double barrel service duct for irrigation purposes – public complain



Protecting the Works from Water – conflict of interest



After rain



Structural works – Bridge 45 and Bridge 46



Comparison between "Troxler" – Nuclear gauge checking compaction and Deflectometer proposed by Autobahn



# Rehabilitation of Caucasian Highways Azerbaijan Quarterly Technical report

Segment 2 for the Project Component II:

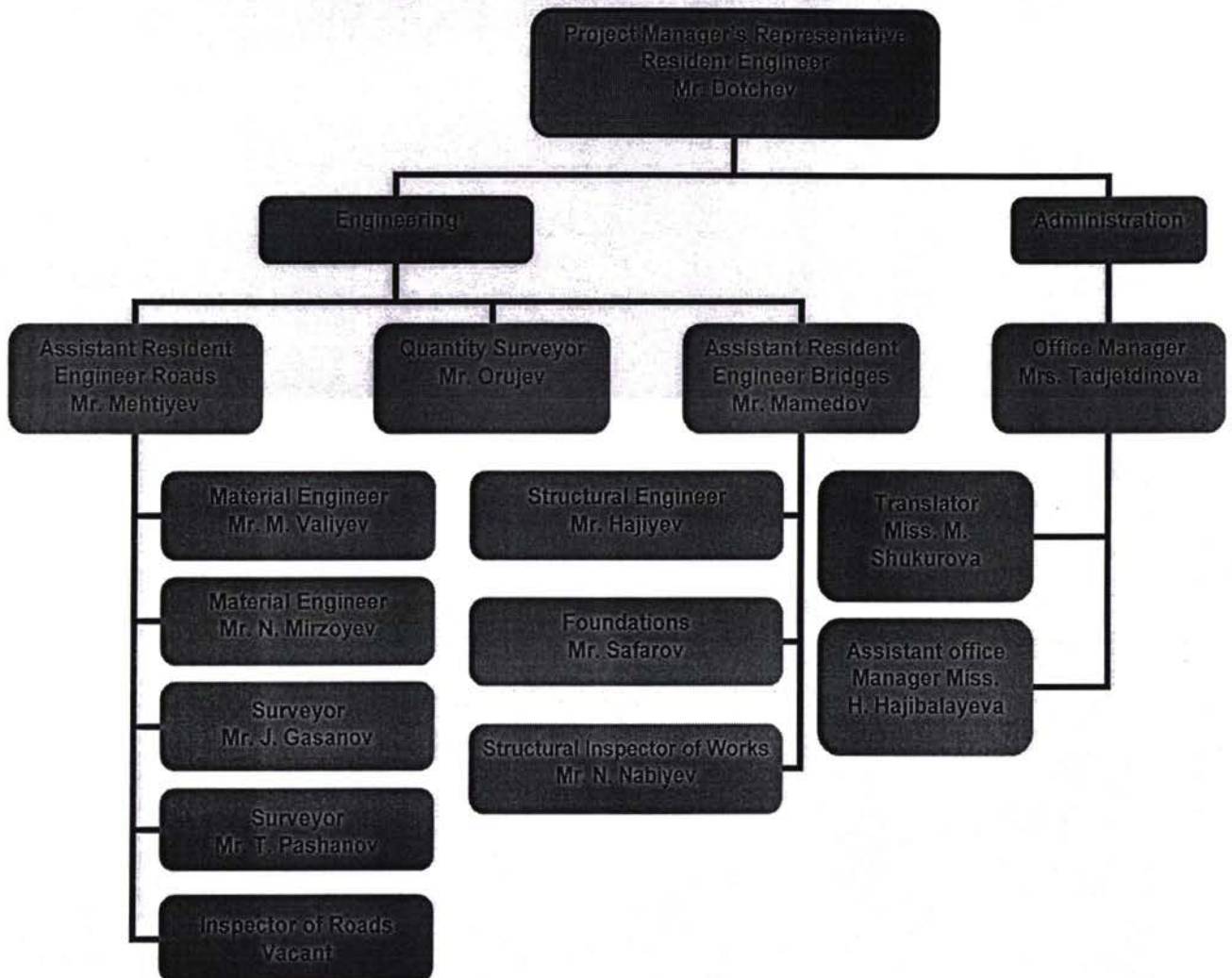
Segment 4 for the Project Component II:

## General



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

Figure 1



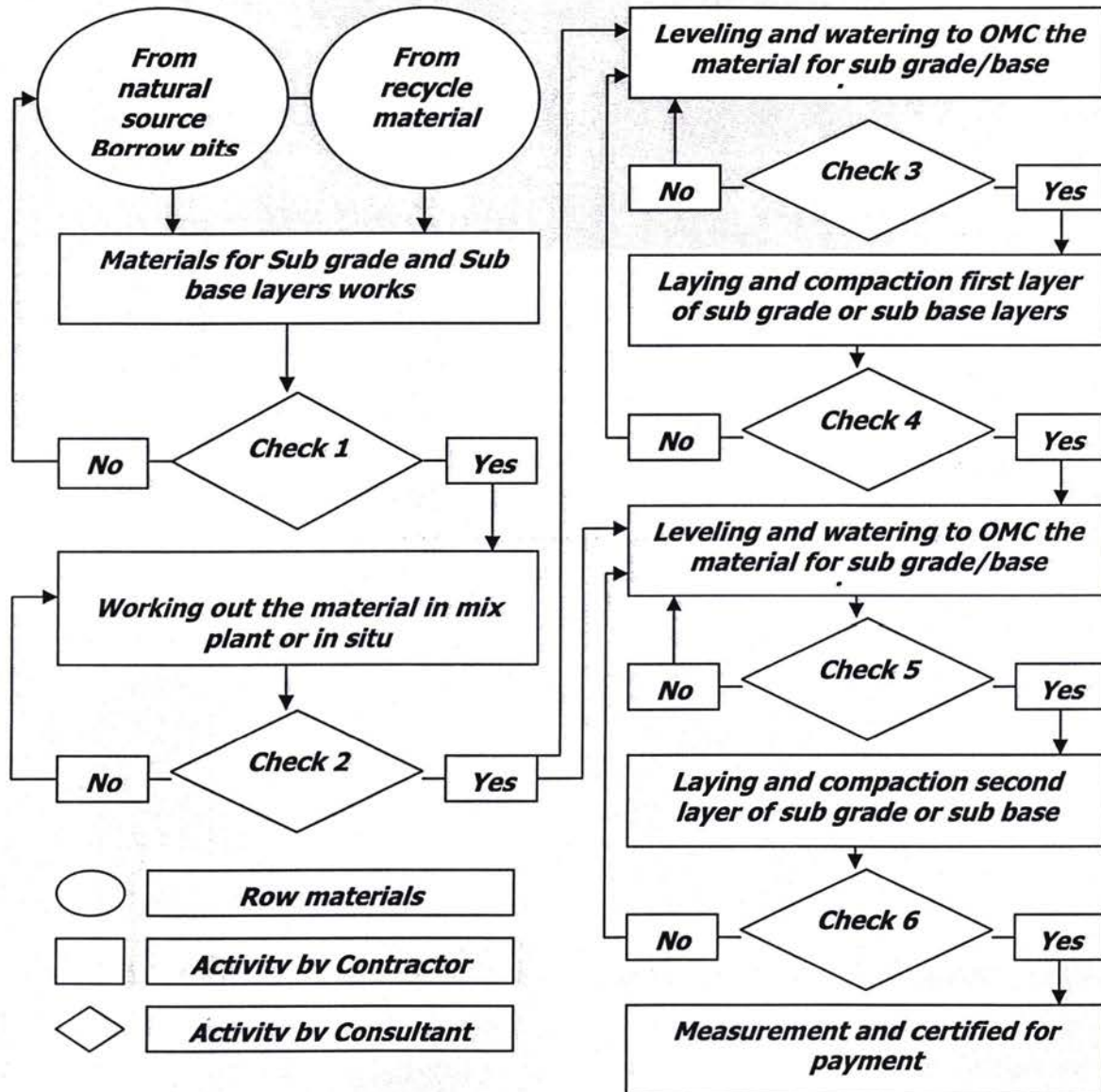
### 3.2. Quality control procedures

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 described 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.

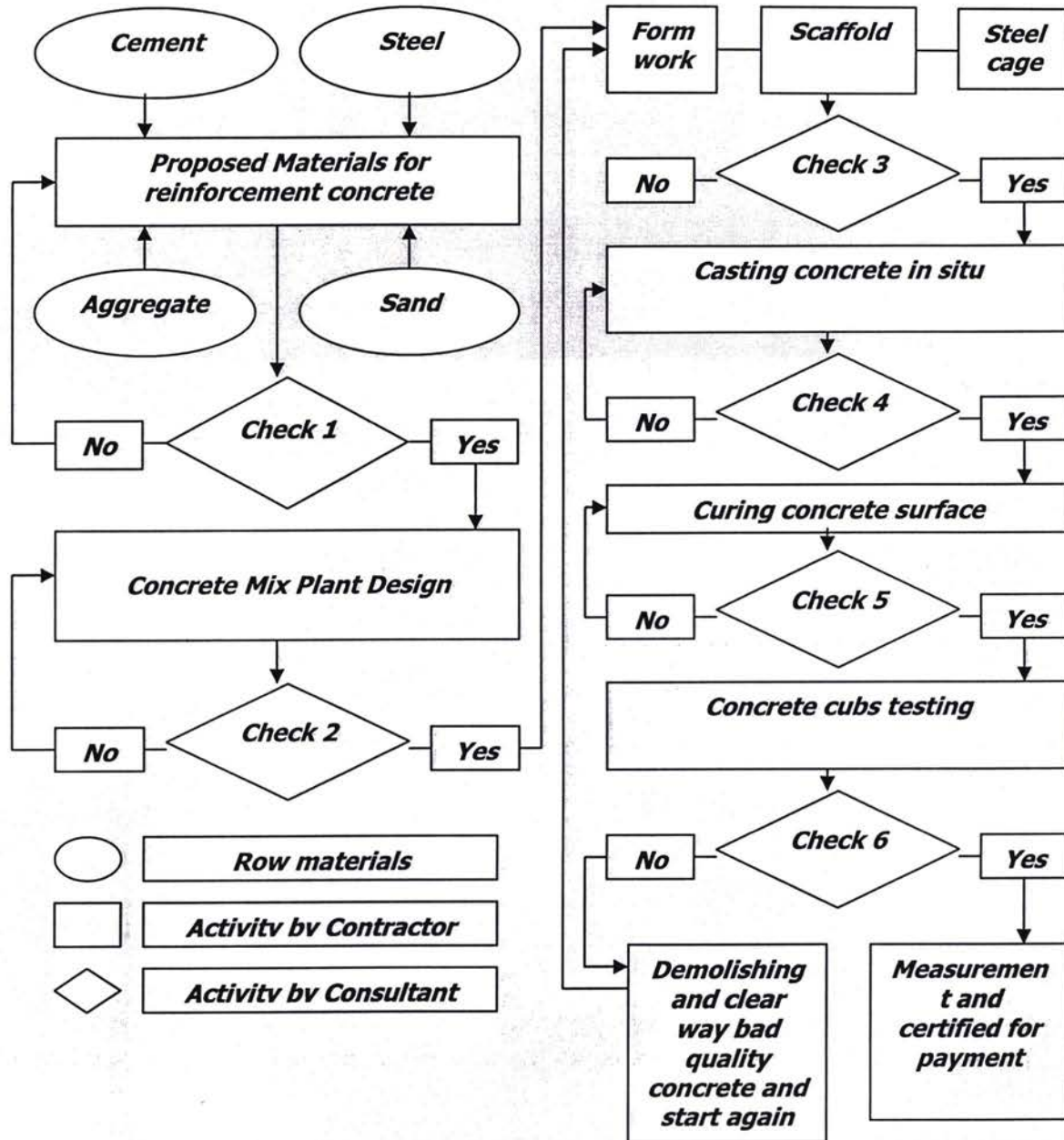
3.2.1. For Sub grade and Sub base

**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)

## 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

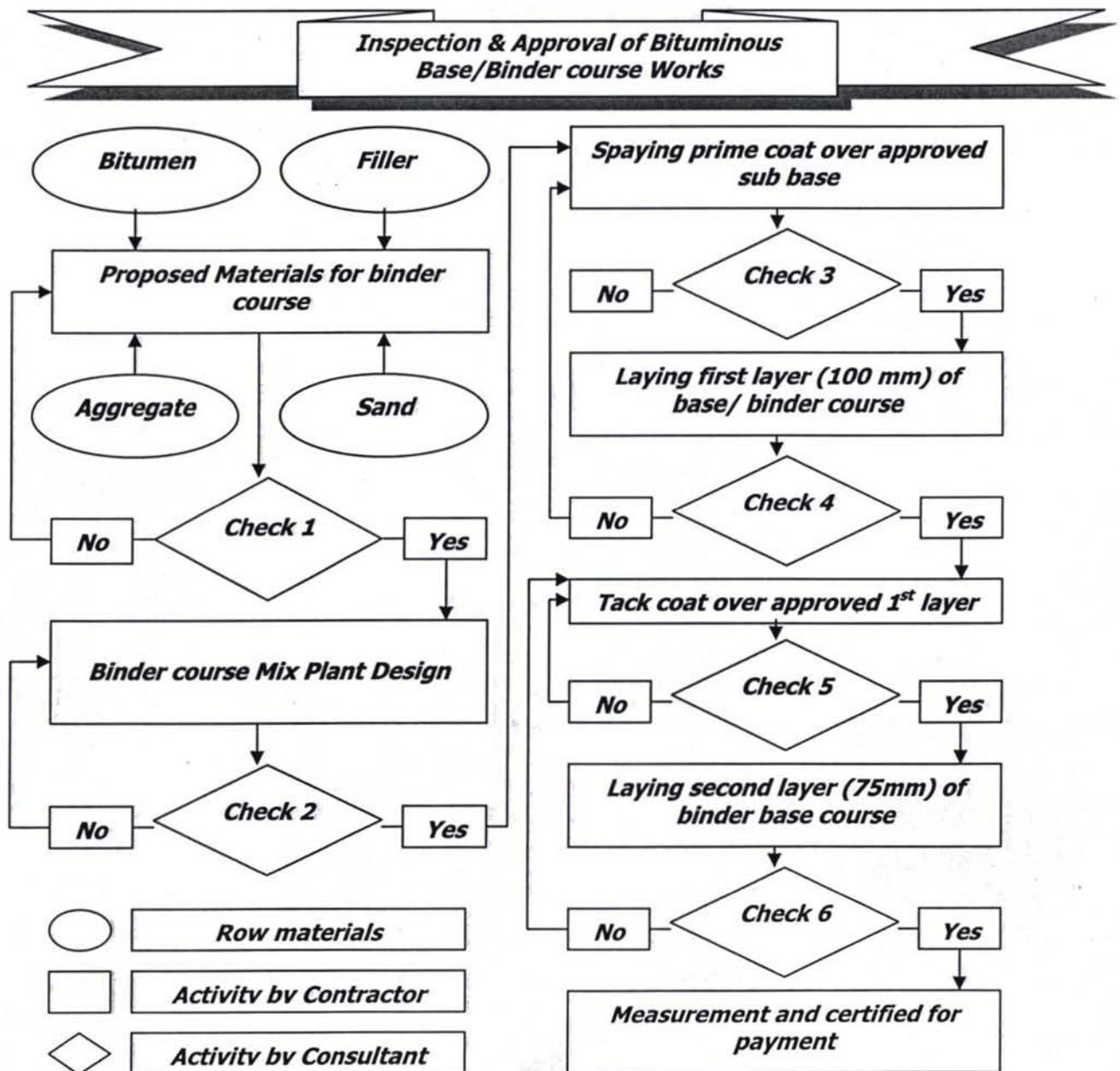
**5. Check 5**

- 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

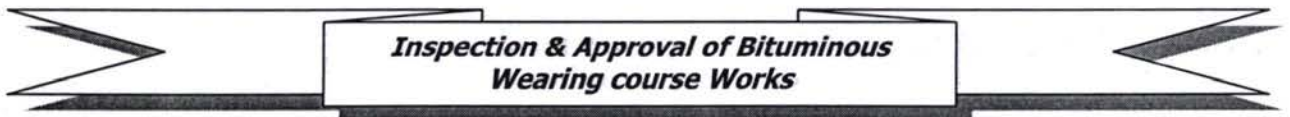
**3. Check 3 & 5**

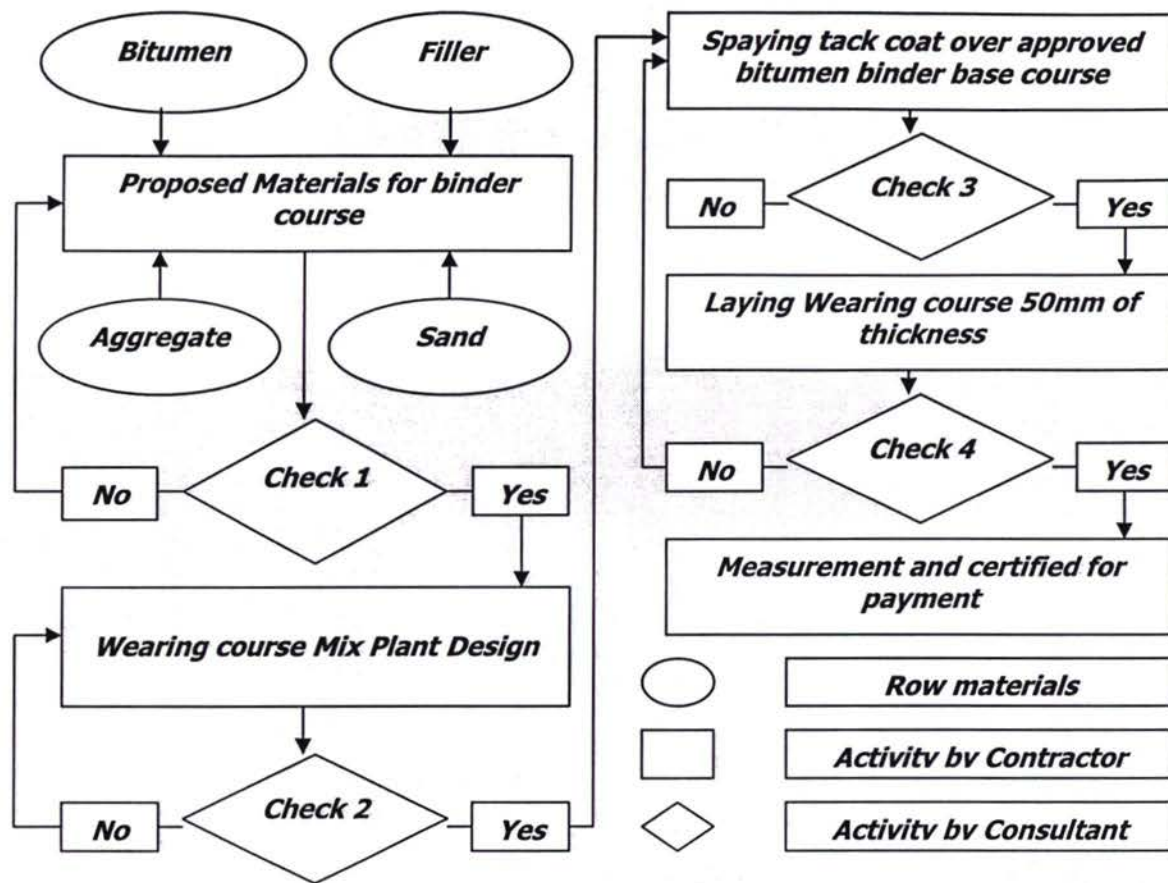
- Testing the application rate

**4. Check 4 & 6**

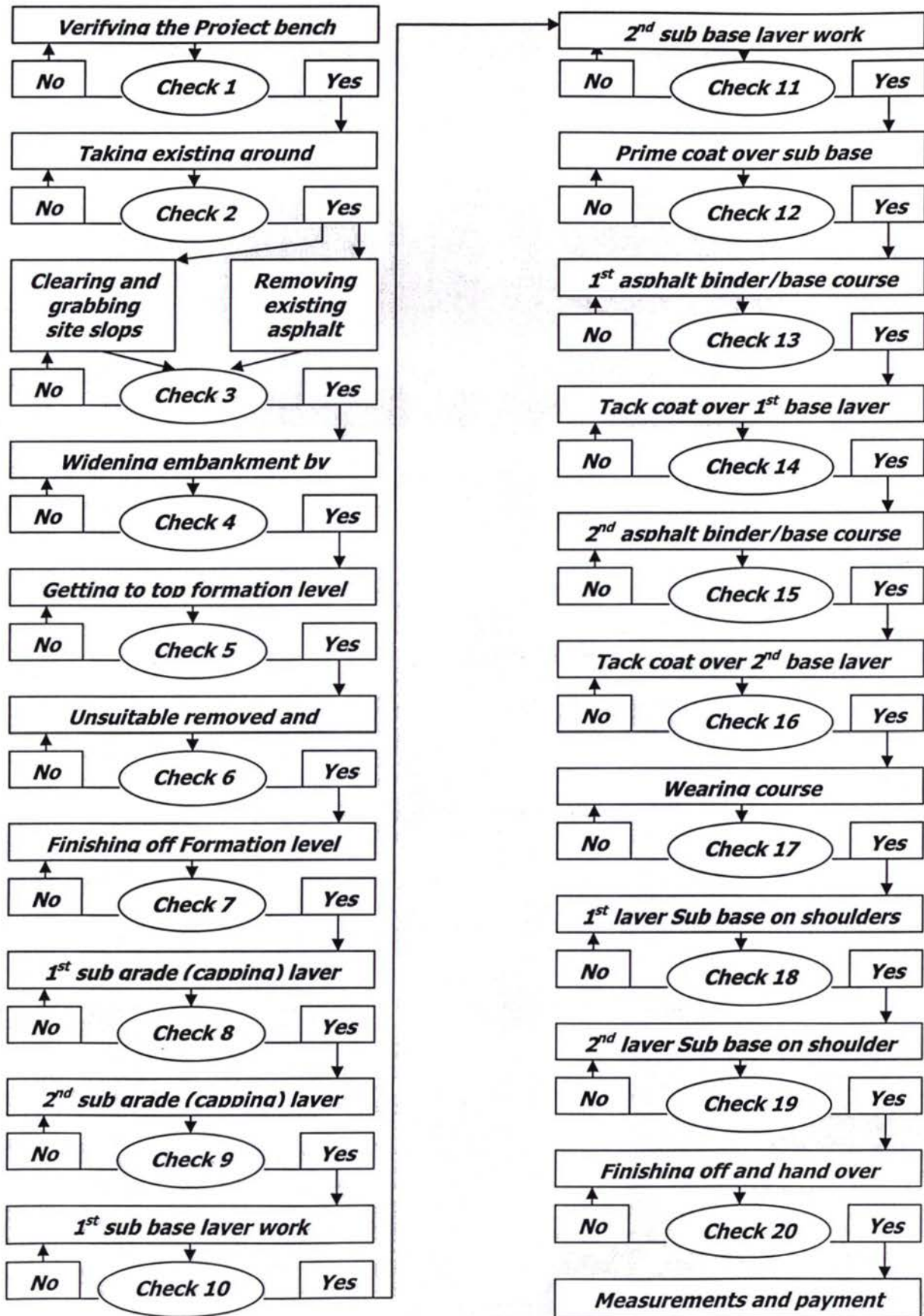
- Coring and crushing core test
- Camber check
- Thickness of layer
- Sieve analysis
- Abrasion loss test
- Bitumen heating check
- Marking procedure
- Laying procedure
- Rolling procedure
- Compaction
- Thickness check
- Camber check

**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

#### 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	194	6
Contract CW 2003-1 & CW 2003-2	202	27
Contract CW 2003-3 & CW 2003-4	177	25
Contract for bridges	84	0
Summary	657	58

**Incoming letters from Client**

Contracts	Total to date	Total this month
Contract CW 2002-1	50	3
Contract CW 2003-1 & CW 2003-2	14	0
Contract CW 2003-3 & CW 2003-4	13	1
Contract for bridges	0	0
Summary	77	4

**Outgoing letters to Contractors**

Contracts	Total to date	Total this month
Contract CW 2002-1	265	4
Contract CW 2003-1 & CW 2003-2	268	42
Contract CW 2003-3 & CW 2003-4	210	22
Contract for bridges	144	0
Summary	890	68

**Outgoing letters to Client**

Contracts	Total to date	Total this month
Contract CW 2002-1	123	3
Contract CW 2003-1 & CW 2003-2	33	6
Contract CW 2003-3 & CW 2003-4	32	3
Contract for bridges	0	0
Summary	188	12

**3.4. Incoming request for inspections**

**Table 3**

**Month:** November

**Year** 2004

Day	Date	CW2002-1	CW2003-1&2	CW2003-3&4	Total
Fri	26	2	13	16	31
Sat	27	0	3	4	7
Sun	28	6	13	8	27
Mon	29	5	6	4	15
Tue	30	2	14	7	23

**Month:** December

**Year** 2004

Day	Date	CW2002-1	CW2003-1&2	CW2003-3&4	Total
Wed	1	1	12	9	22
Thu	2	1	5	8	14
Fri	3	1	12	7	20
Sat	4	1	11	7	19
Sun	5	1	5	7	13
Mon	6	1	4	5	10
Tue	7	1	8	13	22
Wed	8	1	13	16	30
Thu	9	1	11	12	24

Fri	10	1	16	12	29
Sat	11	2	14	15	31
Sun	12	17	12	8	37
Mon	13	2	9	3	14
Tue	14	4	8	5	17
Wed	15	2	12	9	23
Thu	16	2	4	8	14
Fri	17	2	6	3	11
Sat	18	3	8	3	14
Sun	19	2	9	8	19
Mon	20	1	6	3	10
Tue	21	4	17	8	29
Wed	22	4	4	10	18
Thu	23	5	6	7	18
Fri	24	4	6	10	20

**Total:**

**581**

### 3.5. Daily Weather Records

#### 3.5.1. For Contract 2002-1

**Table 4**

**Month: November**

**Year 2004**

Day	Date	Temp	Weather Condition	Working Condition	Remarks
Fri	26	6C	Foggy	Work in progress	
Sat	27	6C	Rainy	Work is not	
Sun	28	5C	Foggy	Work in progress	
Mon	29	7C	Foggy	Work in progress	
Tue	30	10C	Sunny	Work in progress	

**Month: December**

**Year 2004**

Day	Date	Temp	Weather Condition	Working Condition	Remarks
Wed	1	8C	Foggy	Work in progress	
Thu	2	6C	Foggy	Work in progress	
Fri	3	5C	Foggy	Work in progress	
Sat	4	7C	Foggy	Work in progress	
Sun	5	7C	Sunny	Work in progress	
Mon	6	4C	Foggy	Work in progress	
Tue	7	5C	Foggy	Work in progress	
Wed	8	3C	Foggy	Work in progress	
Thu	9	6C	Sunny	Work in progress	
Fri	10	7C	Foggy	Work in progress	
Sat	11	5C	Sunny	Work in progress	
Sun	12	7C	Sunny	Work in progress	

Mon	13	4C	Foggy	Work in progress
Tue	14	6C	Foggy	Work in progress
Wed	15	4C	Foggy	Work in progress
Thu	16	7C	Sunny	Work in progress
Fri	17	9C	Sunny	Work in progress
Sat	18	6C	Foggy	Work in progress
Sun	19	4C	Foggy	Work in progress
Mon	20	5C	Foggy	Work in progress
Tue	21	9C	Sunny	Work in progress
Wed	22	10C	Sunny	Work in progress
Thu	23	8C	Sunny	Work in progress
Fri	24	9C	Sunny	Work in progress

**3.5.2. For Contract 2003-1&2**

**Month: November**  
**Year 2004**

Day	Date	Temp	Weather Condition	Working Condition	Remarks
Fri	26	7C	Sunny	Work in progress	
Sat	27	7C	Sunny	Work is not	
Sun	28	7C	Sunny	Work in progress	
Mon	29	7C	Sunny	Work in progress	
Tue	30	20C	Sunny	Work in progress	

**Month: December**  
**Year 2004**

Day	Date	Temp	Weather Condition	Working Condition	Remarks
Wed	1	19C	Sunny	Work in progress	
Thu	2	20C	Sunny	Work in progress	
Fri	3	19C	Sunny	Work in progress	
Sat	4	18C	Sunny	Work in progress	
Sun	5	19C	Sunny	Work in progress	
Mon	6	7C	Sunny	Work is not	
Tue	7	7C	Sunny	Work in progress	
Wed	8	7C	Sunny	Work in progress	
Thu	9	7C	Sunny	Work in progress	
Fri	10	7C	Sunny	Work in progress	
Sat	11	7C	Sunny	Work in progress	
Sun	12	7C	Sunny	Work in progress	
Mon	13	7C	Sunny	Work in progress	
Tue	14	7C	Sunny	Work in progress	
Wed	15	7C	Sunny	Work in progress	
Thu	16	7C	Sunny	Work in progress	
Fri	17	7C	Sunny	Work in progress	
Sat	18	5C	Sunny	Work in progress	
Sun	19	5C	Sunny	Work in progress	
Mon	20	5C	Sunny	Work is not	
Tue	21	5C	Sunny	Work in progress	
Wed	22	5C	Sunny	Work in progress	

Thu	23	6C	Sunny	Work in progress	
Fri	24	6C	Sunny	Work in progress	

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

<b>Month: November</b>					
<b>Year 2004</b>					
Day	Date	Temp	Weather Condition	Working Condition	Remarks
Fri	26	18C	Sunny	Work in progress	
Sat	27	18C	Sunny	Work in progress	
Sun	28	12C	Sunny	Work in progress	
Mon	29	12C	Sunny	Work in progress	
Tue	30	12C	Sunny	Work in progress	

<b>Month: December</b>					
<b>Year 2004</b>					
Day	Date	Temp	Weather Condition	Working Condition	Remarks
Wed	1	12C	Sunny	Work in progress	
Thu	2	12C	Sunny	Work in progress	
Fri	3	12C	Sunny	Work in progress	
Sat	4	12C	Sunny	Work in progress	
Sun	5	12C	Sunny	Work in progress	
Mon	6	12C	Sunny	Work in progress	
Tue	7	12C	Sunny	Work in progress	
Wed	8	12C	Sunny	Work in progress	
Thu	9	12C	Sunny	Work in progress	
Fri	10	12C	Sunny	Work in progress	
Sat	11	7C	Sunny	Work in progress	
Sun	12	12C	Sunny	Work in progress	
Mon	13	7C	Sunny	Work in progress	
Tue	14	7C	Sunny	Work in progress	
Wed	15	5C	Sunny	Work in progress	
Thu	16	5C	Sunny	Work in progress	
Fri	17	5C	Sunny	Work in progress	
Sat	18	5C	Sunny	Work in progress	
Sun	19	6C	Sunny	Work in progress	
Mon	20	6C	Sunny	Work is not	
Tue	21	6C	Sunny	Work in progress	
Wed	22	5C	Sunny	Work in progress	
Thu	23	6C	Sunny	Work in progress	
Fri	24	6C	Sunny	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 Contract CW2002-1.** Prior approval the following Borrow pits have been sampled and tested:

**Table 5**

Name	Chainage	Site	Km to C/L	Material to be use for	Remark
1	Km 0+200	RHS	0.5	Embankment fill	Approved
2	Km 2+300	RHS	1.2	Sub grade and embankment fill	Approved
3	Km 3+240	LHS	0.7	Sub grade and embankment fill	Approved
4	Km 12+712	RHS	1.5	Sub grade and embankment fill	Approved
5	Km 8+500	LHS	1.5	Sub grade and embankment fill	Approved
6	Km 12+000	LHS	1.5	Sub grade and embankment fill	Approved
7	Km 24+680	LHS	2.0	Sub base	Approved
8	Km 26+680	RHS	1.0	Sub base	Approved

- **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)Gasau 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. After the approval has been obtained the Contractor (Turan) installed the warning signs and traffic warning lights wherever required. 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 CW2002-1 and CW2003-1 to 4 the deviations have been choose to run on the existing old road Ganja- Shemkir 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
Ganja-Shemkir	CW2002-1	20,680.00	21.00	100	Yes	-	-
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
Ganja-Shemkir	CW2002-1	Turan Hazinedaroglu &Oztash	0	0
Shemkir to Km 430.8	CW2003-1	Azerkorpu and Azwirt	0	0
	CW2003-2	Consortium	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

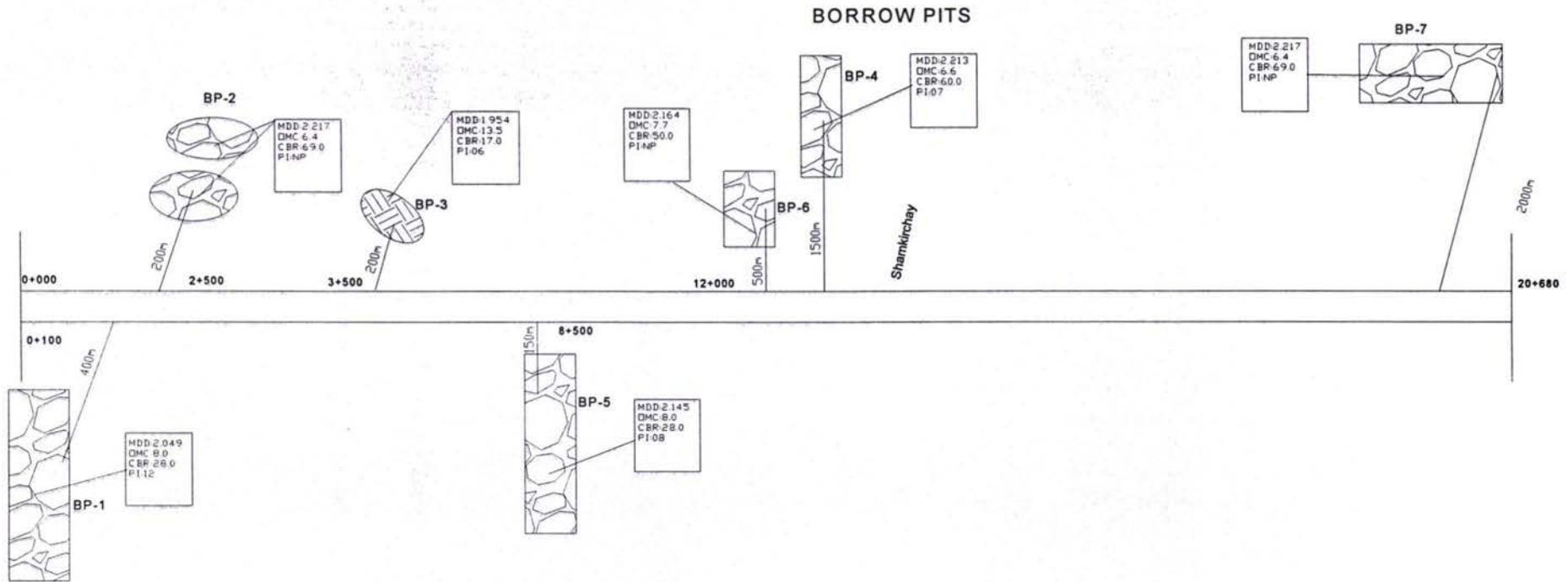
Projects	Contracts	Contractor	Traffic accidents	
			This month	To date
Ganja-Shemkir	CW2002-1	Turan Hazinedaroglu &Oztash	0	0
Shemkir to Km 430.8	CW2003-1	Azerkorpu and Azwirt	0	0
	CW2003-2	Consortium	0	0
Km 430.8 to Gazakh	CW2003-3	Autobahn Bau GMBH	0	0
	CW2003-4		0	0

### 3.8. Guest visiting the Project

A. Ulubeyov	Head of the "High. Cable Department"	3 <sup>rd</sup> December 2004
F. Islamov	Chief Engineer of the "High. Cable Department"	3 <sup>rd</sup> December 2004
Javid Gurbanov	Head of the "Yolneqliyyatservis" Department	8 <sup>th</sup> December 2004
Adil Gojayev	PIU Director	8 <sup>th</sup> December 2004
Kamil Aliyev	Technical Director of Azwirt Company	8 <sup>th</sup> December 2004
Efendi Ismiyev	President of the "Azerkorpu" Company	8 <sup>th</sup> December 2004
Maherram Asadov	Chief Expert of the Tech. Office of the Department	16 <sup>th</sup> December 2004
Malik Nurrulayev	Engineer of the "P&C" Center	23 <sup>rd</sup> December 2004
Isa Baharchinov	Deputy Director "P&C" Center	23 <sup>rd</sup> December 2004

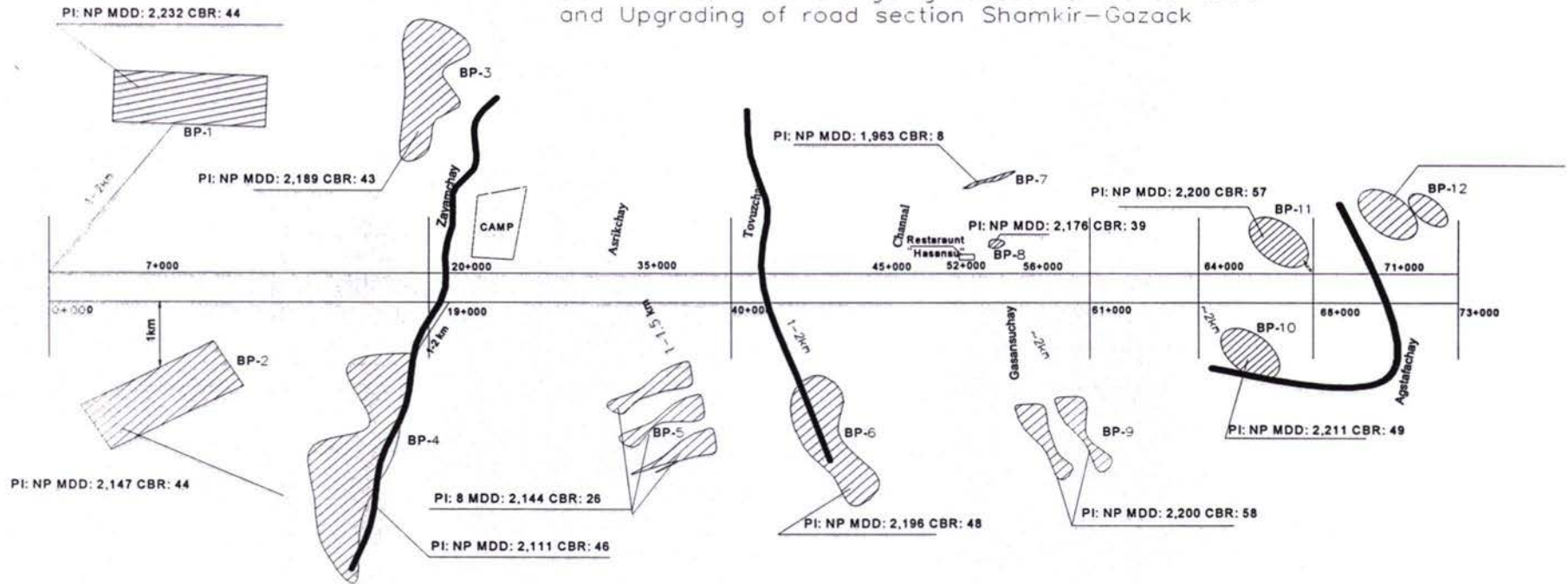
## Attachments

"REHABILITATION AND UPGRADING OF GANDJA-SHAMKIR ROAD SECTION"



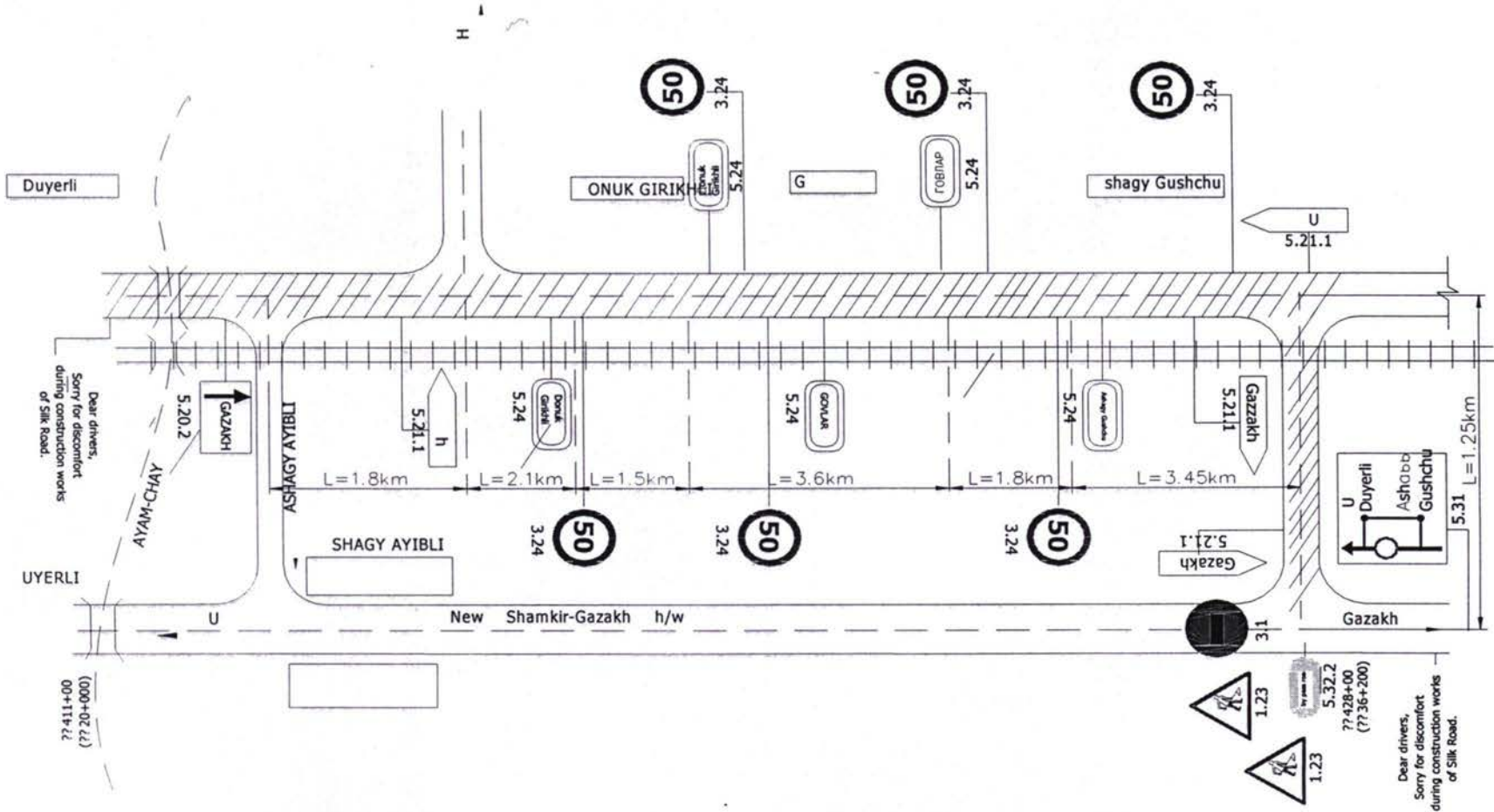
Contract CW2002-1 Borrow pits

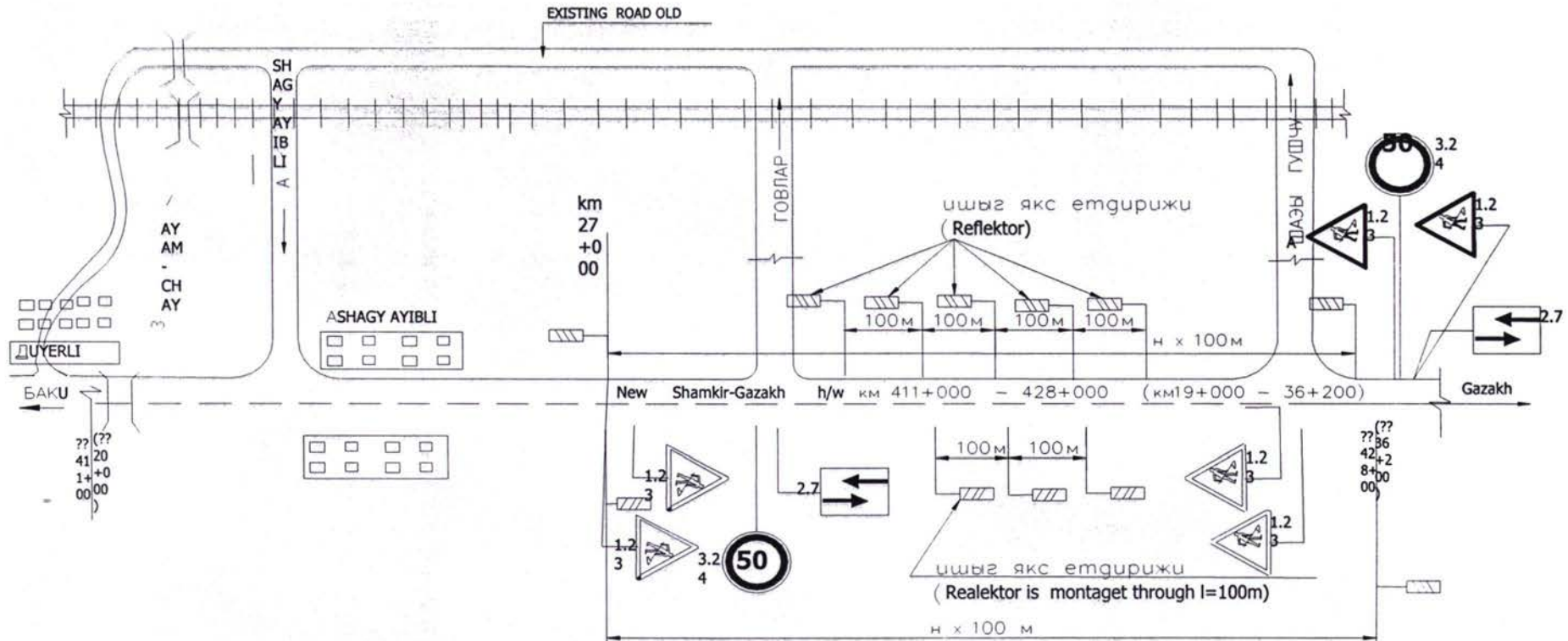
Borrow Pits, witch are going to use for Rehabilitation and Upgrading of road section Shamkir–Gazack



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







Contracts CW2003-1&2, single line operation at the Earthworks taking place between km 27+000 to km 37+000







**Notes**

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