

TACIS Regional 2004 TRACECA Programme

Rehabilitation of Caucasian Highways Azerbaijan Monthly Progress Technical Report

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

Monthly Progress Report

October 2004 – MPR16/2004/AZ



This project is funded by
The European Union



A project implemented by
Louis Berger SA Paris France

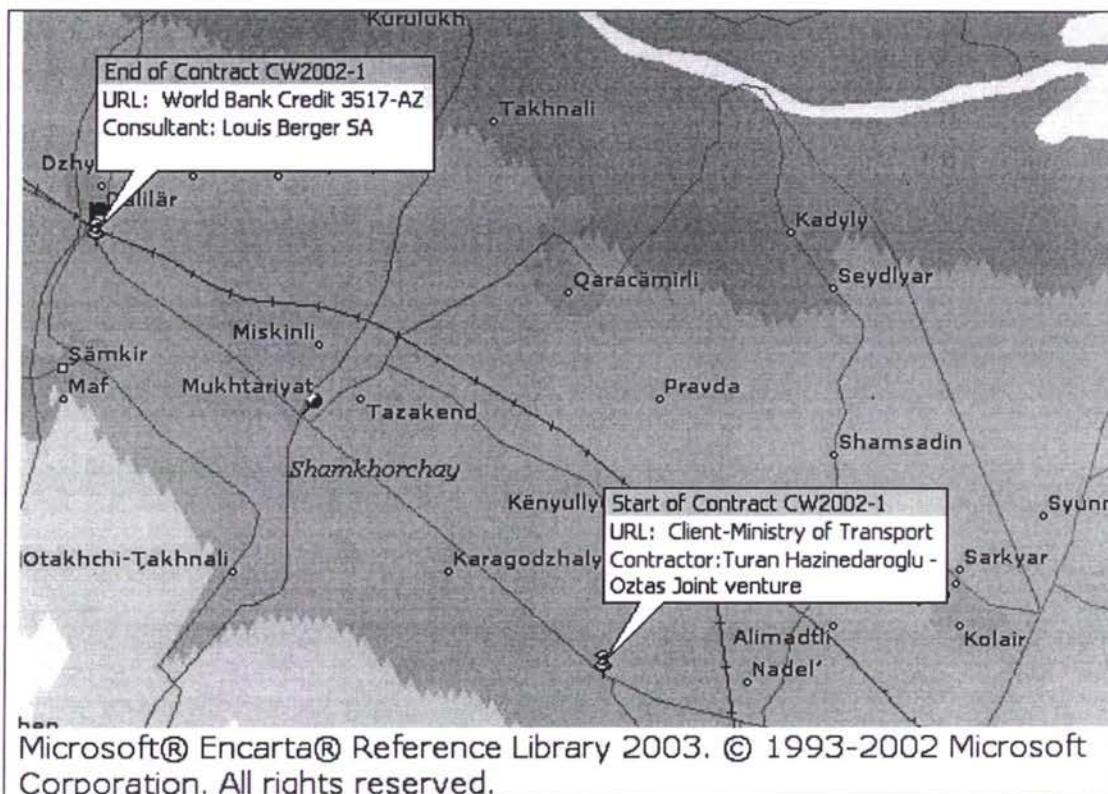
Contents

| | | |
|--------|---|------|
| | | Page |
| I. | Segment 2 for Project Component II: Construction Supervision of Ganja to Gazakh - Highway Lot 1 Contract CW2002-1 | 2 |
| 1.1. | Cover page | 3 |
| 1.2. | Project synopsis | 3 |
| 1.3. | Monthly progress report | 3 |
| II. | Segment 2 for Project Component II: Construction Supervision of Ganja to Gazakh - Highway Lot 2 Contracts CW2003-1 to CW2003-4 | 18 |
| A. | Contracts CW2003-1 and CW2003-2, Shemkir to Tovuz | 19 |
| A.2.1. | Cover page | 19 |
| A.2.2. | Project synopsis | 19 |
| A.2.3. | Monthly progress report | 19 |
| B. | Contracts CW2003-3 and CW2003-4, Tovuz to Gazakh | 38 |
| B.2.1. | Cover page | 39 |
| B.2.2. | Project synopsis | 39 |
| B.2.3. | Monthly progress report | 39 |
| III. | General | 56 |
| 3.1. | Consultant's Management staff organogramme | 57 |
| 3.2. | Quality control procedures | 57 |
| 3.3. | Management Meetings and Correspondence | 64 |
| 3.4. | Incoming request for inspection | 65 |
| 3.5. | Daily weather records | 66 |
| 3.6. | Environmental impact | 69 |
| 3.7. | Safety on Projects | 70 |
| 3.8. | Longitudinal Redesign notes for Contracts CW2003-1 to 4 | 71 |
| 3.9. | Summary estimate extra cost to Contracts CW2002-1 and CW2003-1 to 4 | 73 |
| 3.10. | Guest visiting the Projects | 73 |
| 3.11. | Attachments | 74 |

| | | | |
|--|-------------|------------------|-------------|
| <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 Monthly Technical report

Segment 2 for Project Component II:
Construction Supervision of Ganja to Shemkir - Highway
Contract CW2002-1



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

1.1. Report Cover page

Table 1

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

1.2. Project Synopsis

Table 2

| | |
|---------------------------|---|
| Project Objectives | <ul style="list-style-type: none"> To support the Republic of Azerbaijan to catch up with their serious backlog maintenance, and to cope with growing Local, and International Transport. To improve and provide a better level of service for the travelling public on route corridors, To reduce costs in road transportation, To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention, To reduce costs for road rehabilitation and maintenance. 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" 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. To strengthen the national road construction and maintenance capabilities through Transfer of technology. |
| Outputs | <ul style="list-style-type: none"> Good Roads completed to best standards and at the budget price. |
| Project activities | <ul style="list-style-type: none"> To rehabilitate and upgrade the existing highway Ganja to Shemkir Lot 1, Contract CW2002-1 |
| Start date | <ul style="list-style-type: none"> Contract signature March 24th2003 |
| Start activities | <ul style="list-style-type: none"> April 21st2003 |
| Duration | <ul style="list-style-type: none"> 458 days + extension of time of 3 months (92 days) or total of 550 days |

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

| | |
|---------------------------------------|--|
| Funding Agent | 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 |
| Employer | 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 |
| Project Implementation Unit | 72/4 Uzeyir Hajibeyov Street 370010 Baku |
| Mr A. Gojayev | Director |
| EUROPEAID EC Brussels | |
| Mr. E. Dalamangas | Project Manager |
| Service Supervision Contractor | |
| 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 |
| Contractor | Turan Hazinedaroglu Joint Venture |
| T. Uslu | Project Manager |

1.3.2. Project Data

Table 4

| Works Contract CW 2002-1 | |
|--|--|
| Works Tender Opened | 14 th May 2002 |
| Contract Awarded | 30 th December 2002 by IDA |
| Letter of Acceptance Issued | 24 th March 2003 |
| Contract Agreement Signed | April 9 th 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 | 29,755,540,898.14 AZM |
| Contract Start Date, | 21 st April 2003 |
| Original Contract Completion Date | 21 st July 2004 |
| Extended Completion Date | 21 st November 2004-Interim extension of Time – letter P282, Oct20th2004 |
| Defects Liability Period | 365 days |
| 1 st Works Programme received | 18 th April 2003 |
| Last revision of Works Programme | 20 th October 2004 |
| Value of Works to date as per IPCs | 23,992,210,206.89 AZM |
| Value of Works to date | 27,077,542,217.20 AZM |
| Value of Works to date (%) | 91.1% |
| Variations | VO №1 - Extension of 3 months without additional cost. VO №2 – Modifying end of the Project. New end at 20+680 For the amount of -147,862,280.86 AZM |
| Advance Payment Received – 20% | 5,980,680,936.00 AZM |
| Repayments made | 5,293,525,682.00 AZM |
| Delays | 50 days |

| | |
|------------------------|--|
| Claims | 1. New claim entered - Adjust Contract price - Clause 45 Taxes – Contractor's letter 157 dated July 30 th 2004 2. New claim entered – Extension of time – Contract letter 175 dated September 28 th 2004 – under PM consideration |
| Time elapsed to date | 560 days |
| Time remaining to date | 21 days (to interim extended Completion date of Nov 21 st 2004) |

1.3.3. Progress report

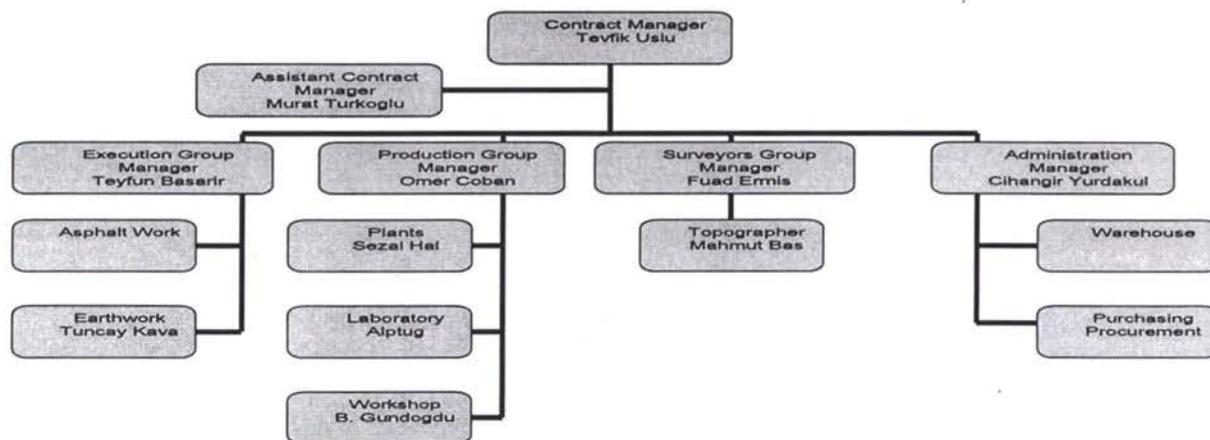
1.3.3.1. Status of the Contract

Since start (April 21, 2003) the Contractor have been on site 560 days of the Contractual time and to date are remaining 21 days of the Contractual time (interim extended Completion date - Nov 21st 2004)

1.3.3.1.1. Contractor's staff

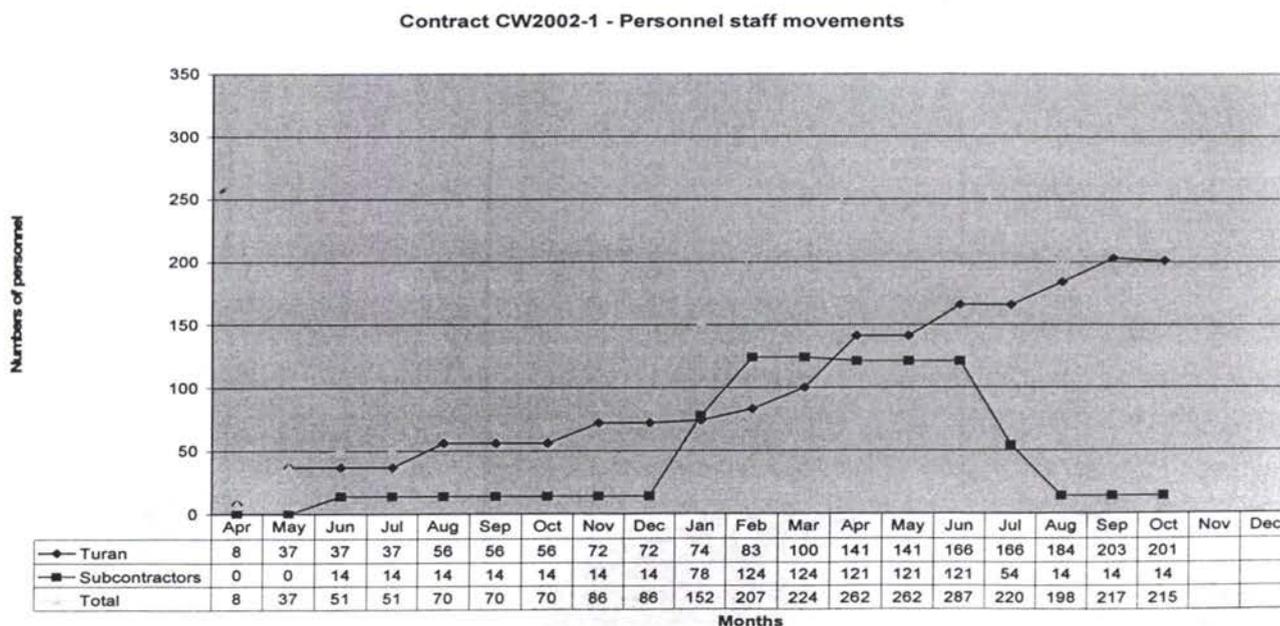
1.3.3.1.1.1. Management staff and organization (organogramme)

Figure 1



1.3.3.1.1.2. Personnel staff employed

Figure 2



1.3.3.1.2. Contractor's machinery and equipment

Table 5

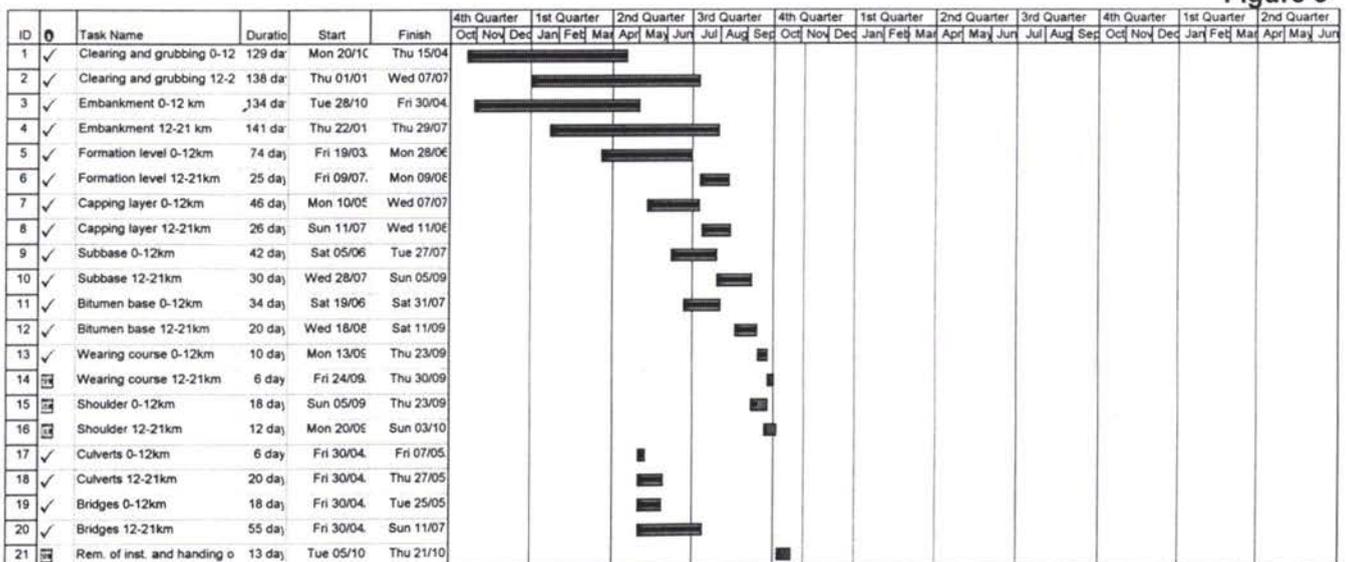
| Item | Description | Model and capacity | Unit | For Project | Available | Work day |
|------|---------------------------------|-----------------------------------|------|-------------|-----------|----------|
| 1 | Asphalt Plant | | no | 1 | 1 | 30 |
| 2 | Batch Plant for Sub-base | GMS,400t/h | no | 1 | 1 | 30 |
| 3 | Crusher and Sorter | NACE,250t/h | no | 1 | 1 | 30 |
| 4 | Scale | ESIT,100t | no | 1 | 1 | 30 |
| 5 | Generators | FIAT,50kW | no | 1 | 3 | 30 |
| 6 | Cut-Back Plant for MC CSSS-1 | | no | 0 | | |
| 6 | Asphalt and Sub-base Paver | | no | 3 | 2 | 30 |
| 7 | Rubber Banded Asphalt Roller | | no | 2 | 2 | 30 |
| 8 | Steel Banded Asphalt Roller | | no | 3 | 3 | 30 |
| 9 | Rolley Tank | | no | 5 | 2 | 30 |
| 10 | Distributor for Bitumen | | no | 1 | 1 | 30 |
| 11 | Graders | CAT140G/H,Champion | no | 6 | 5 | 30 |
| 12 | Bulldozers | CAT D7-G,D7-R,D9-L | no | 3 | 3 | 30 |
| 13 | Excavators | CAT315/325/Fiat-Hitachi | no | 3 | 3 | 30 |
| 14 | Loaders | CAT950/938/966 | no | 5 | 5 | 30 |
| 15 | Backhoe loader | EFERMEC | no | 1 | 1 | 30 |
| 16 | Vibratory Rollers | BOMAG212,16t. | no | 4 | 3 | 30 |
| 17 | Water Distributor | | no | 3 | | |
| 18 | Trailer for carrying Equipments | | no | 2 | | |
| 19 | Trucks | BMC/DODGE/FORD/IVECO/KAMAZ-10/15t | no | 25 | 45 | 30 |

Subcontractors

| | | | | | | |
|---|---------------------------------|--|----|----|--|--|
| 1 | Concrete Batch Pant | | no | 1 | | |
| 2 | Trans-Mixer | | no | 4 | | |
| 3 | Excavator | | no | 3 | | |
| 4 | Small Type Excavator | | no | 1 | | |
| 5 | Dump Trucks | | no | 10 | | |
| 6 | Crane | | no | 4 | | |
| 7 | Vibratory Roller (steel banded) | | no | 1 | | |
| 8 | Vibratory Rollers for backfill | | no | 2 | | |
| 9 | Trucks | | no | | | |

1.3.3.1.3. Contractor's Work programme

Figure 3



1.3.3.2. Project activity to date

Table 6

| Item | Project activity to date | | | | | | | | | | | | | | | | | | | % |
|------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| | 100 | 95 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | |
| 1 | Consultant's staff mobilization | | | | | | | | | | | | | | | | | | | 100 |
| 2 | Project Manager's office accommodations | | | | | | | | | | | | | | | | | | | 100 |
| 3 | Project Manager's house accommodations | | | | | | | | | | | | | | | | | | | 100 |
| 4 | Project Manager's vehicles | | | | | | | | | | | | | | | | | | | 100 |
| 5 | Contractor's staff mobilization | | | | | | | | | | | | | | | | | | | 100 |
| 6 | Contractor's office accommodations | | | | | | | | | | | | | | | | | | | 100 |
| 7 | Contractor's staff quarters | | | | | | | | | | | | | | | | | | | 100 |
| 8 | Contractor's laboratory | | | | | | | | | | | | | | | | | | | 100 |
| 9 | Contractor's machinery and equipment mobilization | | | | | | | | | | | | | | | | | | | 100 |
| 10 | Clearing (20,5 km out of 20.680 km) | | | | | | | | | | | | | | | | | | | 99 |
| 11 | Embankment (20,2km out of 20.680km) | | | | | | | | | | | | | | | | | | | 97 |
| 12 | Milling/Removing of existing asphalt pavement (20,680 km out of 20.680 km) | | | | | | | | | | | | | | | | | | | 100 |
| 13 | Removing shoulders 20 km out of 20.680 | | | | | | | | | | | | | | | | | | | 96 |
| 14 | Drainage - culverts (63 out of 63 units) | | | | | | | | | | | | | | | | | | | 100 |
| 15 | Bridges 6 - working on 6 (4 is finished) | | | | | | | | | | | | | | | | | | | 95 |
| 16 | Formation 20 km out of 20,68km | | | | | | | | | | | | | | | | | | | 96 |
| 17 | Capping layer 350mm(19 km out of 20,68km) | | | | | | | | | | | | | | | | | | | 92 |
| 18 | Granular Sub base layer 225mm(17 km out of 20,68km) | | | | | | | | | | | | | | | | | | | 82 |
| 19 | Bituminous base course 175mm13,5 km out of 20.68km) | | | | | | | | | | | | | | | | | | | 65 |
| 20 | Wearing course 50mm (0km out of 20,68km) | | | | | | | | | | | | | | | | | | | 0 |
| 21 | Granular shoulder 225mm(0km out of 20.68km) | | | | | | | | | | | | | | | | | | | 0 |
| 22 | Road signs and marking | | | | | | | | | | | | | | | | | | | 0 |
| 23 | Site drains | | | | | | | | | | | | | | | | | | | 0 |

1.3.3.3. Project progress summary

The Volume of Works completed to October 31st2004 represents 91.1% from the Revised Contract value.

1.3.3.3.1. Work Progress on structures

1.3.3.3.1.1. Progress on culverts

Works has been completed

1.3.3.3.1.2. Progress on Bridges

Works has been completed

1.3.3.3.2. The Productions figures for some major Works operations

Table 7

| Item | Description | Unit | As per Programme | | Actual achieved on site weekly | | |
|------|-------------------------------|------|------------------|---------|--------------------------------|---------|-----------|
| | | | 0-12km | 12-20km | Average | Maximum | Last week |
| 306 | Bituminous Base/binder coarse | M2 | 18662 | 21532 | 10981 | 31182 | 21414 |

| | | | | | | | |
|-----|-----------------------|----|-------|--|-------|-------|------|
| 310 | Wearing course | M2 | 70147 | | 0.00 | 0.00 | 0.00 |
| 312 | Sub base to shoulders | M3 | 8442 | | 23.44 | 46.88 | 0.00 |

1.3.3.3.3. Conclusions

Contractor is running the project about 50 days behind.

1.3.3.3.4. Some problems which might effect on completion date

Table 8

| Problems associated with completing the Contract in time | Actions taken |
|---|---|
| <u>Guard rails</u> – Preliminary estimates shown that the required length is just about double the volumes given in the Project B&Q | Client has accepted the proposal Contractor instructed to proceed |
| <u>Petrol stations</u> – They are 7 station at this section of the road. In order to be constructed in accordance with the Project standards extra cost is required – our letter 64 dated June 3 rd 2004 and 98 dated August 30 th 2004 | PIU to clarify with the RTS and Confirm. Not yet resolve |
| <u>Gas service lines</u> – There are several km of pipe lines remaining under the widened embankment of the rehabilitated road which must be removed | PIU instructions received at Minutes of Meeting July 26 th . No Funds no relocation of services |
| <u>Electrical service lines</u> – There are 18 crossings not conforming the standards To date only 4 crossing has been instructed so far. | PIU instructions received at Minutes of Meeting July 26 th . No Funds no more than 4 relocations |
| <u>Single seal to shoulders</u> - In order to prolong the design period of the road And to improve on safety and maintenance expenses Contractor's proposal To provide single seal on shoulders | Client has been accepted the pro –Contractor has been instructed to proceed |
| <u>High fills water collector drain</u> – In order to improve the design and stability on high fills, Contractor proposed water rain collector drain | Client has accepted the proposal Contractor instructed to proceed |

1.3.4. Claims and Variations Orders

1.3.4.1. Claims

1.3.4.1.1. Intention for claim

1.3.4.1.1.1. IPC late payments

The Contractor has recorded - intention to claim extra cost (see Contractor's letter 97 dated April 8th2004) 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. New 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 30th2004. Claim has been forwarded to RTSD on 2nd August 2004 (Consultant letter P228).

1.3.4.1.2.2. Extension of time

The Contractor entered new claim for extension of time (extra 92 days) – Due to Increased whole volume of Contract Works more than 10% and Unexpected increased of unsuitable material for more than 8000 m3 – Contractor letter 175 dated 28th September 2004. The Claim is under consideration, however by letter P282 dated October 20th2004, the Contractor has been granted Interim Extension of Time of one month in order for Consultant to collect and review the claim particulars.

The Consultant by letter P289 of 24 October 2004 to the Contractor has assessed and proposed 42 days Extension of Time. This EoT would be formalized after receiving Employer and Contractor comments.

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 21st October 2004 (VO №1).

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

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

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

The VO3 is finalised waiting signature of concerned parties.
The value VO3 is -68,649,238 AZM.

1.3.4.4. Variation order №4 (Single Seal on Shoulders)

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, waiting signature of concerned parties.
The value of this VO is +386,979,600 AZM.

1.3.4.5. Variation order №5 (Rain Water Collectors on High Fills)

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, waiting signature of concerned parties.
The value of this VO is +224,417,080 AZM.

The revised Contract Value would be updated after signature of VOs (3, 4 and 5).

1.3.5. Financial

1.3.5.1. Interim Payment Certificates to date

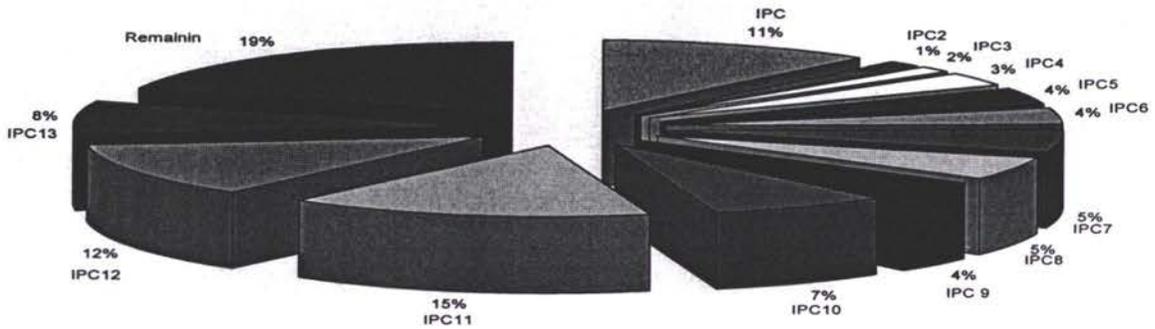
Table 9

| Item | Date | IPC | Value AZM | % | Status |
|------|----------|----------------|-------------------|---------|-----------|
| 1 | 30/05/03 | IPC 1 | 3,277,448,972.89 | 11.01% | paid |
| 2 | 04/07/03 | IPC 2 | 417,198,206.00 | 1.40% | paid |
| 3 | 17/08/03 | IPC 3 | 467,687,830.00 | 1.57% | paid |
| 4 | 10/09/03 | IPC 4 | 900,048,107.00 | 3.02% | paid |
| 5 | 30/11/03 | IPC 5 | 1,110,117,798.00 | 3.73% | paid |
| 6 | 31/01/04 | IPC 6 | 1,072,592,505.00 | 3.60% | paid |
| 7 | 29/02/04 | IPC 7 | 1,623,995,889.00 | 5.46% | paid |
| 8 | 31/03/04 | IPC 8 | 1,552,060,284.00 | 5.22% | paid |
| 9 | 30/04/04 | IPC 9 | 1,092,735,343.00 | 3.67% | paid |
| 10 | 31/05/04 | IPC10 | 2,132,600,087.00 | 7.17% | paid |
| 11 | 30/06/04 | IPC11 | 4,478,712,465.00 | 15.05% | paid |
| 12 | 31/08/04 | IPC12 | 3,614,162,119.00 | 12.15% | paid |
| 13 | 30/09/04 | IPC13 | | 7.57% | Not yet |
| | | To date | 23,992,210,206.89 | 80.63% | Not fully |
| | | Available | 5,763,330,691.11 | 19.37% | Remained |
| | | Contract price | 29,755,540,898.00 | 100.00% | |

The IPC 14 has not been entered yet at the time of preparation of the Report.

Figure 4

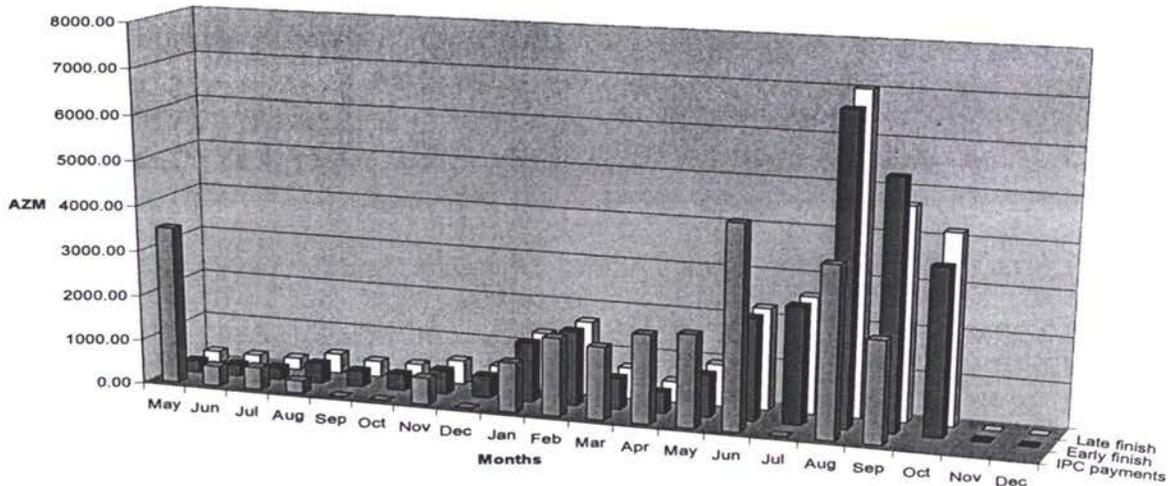
Contract CW2002-1, IPCs payments and the remaining value of Works



1.3.5.2. Cash flow projection

Figure 5

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 10

SUMMARY OF LABORATORY TESTING DURING October MONTH

| Description of Work | Test Performed | | | | Remarks |
|------------------------|---------------------|--------|----------|----------|---------|
| | Total | Passed | Retested | % Passed | |
| Road Embankment | | | | | |
| 1 | FDT/Nuclear Density | 102 | 89 | 13 | 87.2 |
| 2 | PI | 1 | 1 | 0 | 100.0 |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 |

| | | | | | |
|--|--------------------------|----|----|----|-------|
| 4 | CBR | 1 | 1 | 0 | 100.0 |
| 5 | Moisture Content | 1 | 1 | 0 | 100.0 |
| Granular capping layer or selected sub grade fill- 1 (175mm Of 350mm) | | | | | |
| 1 | Gradation | 1 | 1 | 0 | 100.0 |
| 2 | FDT/Nuclear Density | 20 | 14 | 6 | 70.0 |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 |
| 4 | PI | 1 | 1 | 0 | 100.0 |
| 5 | CBR | 1 | 1 | 0 | 100.0 |
| 6 | Moisture Content | 1 | 1 | 0 | 100.0 |
| Granular capping layer or selected sub grade fill- 2 (175mm Of 350mm) | | | | | |
| 1 | Gradation | 1 | 1 | 0 | 100.0 |
| 2 | FDT/Nuclear Density | 33 | 24 | 11 | 72.7 |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 |
| 4 | PI | 1 | 1 | 0 | 100.0 |
| 5 | CBR | 1 | 1 | 0 | 100.0 |
| 6 | Moisture Content | 1 | 1 | 0 | 100.0 |
| Granular sub base layer (from recycled asphalt concrete and recycled sub base material) 225mm | | | | | |
| 1 | Gradation (Combined) | 2 | 2 | 0 | 100.0 |
| 2 | FDT/Nuclear Density | 83 | 72 | 11 | 86.7 |
| 3 | MDD/Proctor | 2 | 2 | 0 | 100.0 |
| 6 | Water Absorption | 2 | 2 | 0 | 100.0 |
| 7 | Moisture Content | 2 | 2 | 0 | 100.0 |
| 8 | CBR | 2 | 2 | 0 | 100.0 |
| 9 | PI | 2 | 2 | 0 | 100.0 |
| Granular Shoulder (sub base material) 225mm | | | | | |
| 2 | FDT/Nuclear Density | 18 | 12 | 6 | 66.7 |
| Bituminous road base 2 (100mm) | | | | | |
| 1 | Gradation | 7 | 7 | 0 | 100.0 |
| 2 | LAA | 1 | 1 | 0 | 100.0 |
| 3 | Stripping Test | 1 | 1 | 0 | 100.0 |
| 4 | Fractured face | 1 | 1 | 0 | 100.0 |
| 5 | Core-cutting (thickness) | 7 | 7 | 0 | 100.0 |
| 6 | Extraction test | 7 | 7 | 0 | 100.0 |
| 7 | Stability | 7 | 7 | 0 | 100.0 |
| 8 | Flow | 7 | 7 | 0 | 100.0 |
| 9 | Air Voids | 7 | 7 | 0 | 100.0 |
| 10 | VMA/VFA | 7 | 7 | 0 | 100.0 |
| Bituminous road base 2 (75mm) | | | | | |
| 1 | Gradation | 2 | 2 | 0 | 100.0 |
| 2 | LAA | 1 | 1 | 0 | 100.0 |
| 3 | Stripping Test | 1 | 1 | 0 | 100.0 |
| 4 | Fractured face | 1 | 1 | 0 | 100.0 |
| 5 | Core-cutting (thickness) | 2 | 2 | 0 | 100.0 |
| 6 | Extraction test | 2 | 2 | 0 | 100.0 |
| 7 | Stability | 2 | 2 | 0 | 100.0 |
| 8 | Flow | 2 | 2 | 0 | 100.0 |
| 9 | Air Voids | 2 | 2 | 0 | 100.0 |
| 10 | VMA/VFA | 2 | 2 | 0 | 100.0 |
| Flexible bituminous surface (50mm) | | | | | |
| 1 | Gradation | 12 | 12 | 0 | 100.0 |
| 2 | LAA | 1 | 1 | 0 | 100.0 |
| 3 | Stripping Test | 1 | 1 | 0 | 100.0 |
| 4 | Fractured face | 1 | 1 | 0 | 100.0 |
| 5 | Core-cutting (thickness) | 12 | 12 | 0 | 100.0 |
| 6 | Extraction test | 12 | 12 | 0 | 100.0 |
| 7 | Stability | 12 | 12 | 0 | 100.0 |
| 8 | Flow | 12 | 12 | 0 | 100.0 |
| 9 | Air Voids | 12 | 12 | 0 | 100.0 |
| 10 | VMA/VFA | 12 | 12 | 0 | 100.0 |

1.3.7. Correspondence records

1.3.7.1. Incoming Letters

Table 11

| Item | Date Received | Author from | Sender ref | Date on the Letter | In resp to | Subject | Attachments | Replay status | | |
|------|---------------|-------------|------------|--------------------|------------|---|-------------|-------------------|------------|----------|
| | | | | | | | | Required Yes / No | Date Sent | Our Ref: |
| 1 | 01/10/2004 | M.T | 178 | 01/10/2004 | N/A | IPC No 13 | yes | yes | 04/10/2004 | 241 |
| 2 | 04/10/2004 | M.T | 179 | 04/10/2004 | N/A | Changes in the Bus Stops | yes | yes | | |
| 3 | 20/10/2004 | T.B | 182 | 20/10/2004 | N/A | Work programmes including time extensions | no | no | | |
| 4 | 27/10/2004 | T.B | 183 | 27/10/2004 | N/A | Cross section between 10+000-20+680 | no | yes | | |

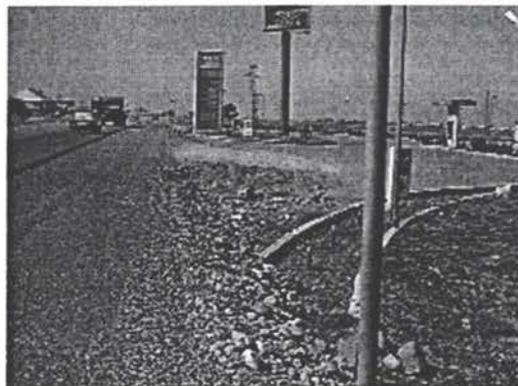
1.3.7.2. Outgoing letters

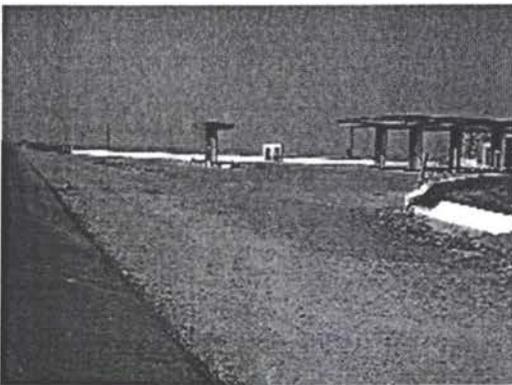
Table 12

| 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 | 04/10/2004 | S.D | 239 | 04/10/2004 | 175/28.09.2004 | Letter 175 | no | no | | |
| 2 | 04/10/2004 | S.D | 240 | 04/10/2004 | 177/30.09.04 | Letter 177 | no | no | | |
| 3 | 04/10/2004 | S.D | 241 | 04/10/2004 | 178/01.10.04 | Letter 178 | no | no | | |
| 4 | 06/10/2004 | S.D | 242 | 06/10/2004 | 174/24.10.04 | Letter 174 | no | no | | |
| 5 | 07/10/2004 | S.D | 243 | 07/10/2004 | N/A | Monthly Progress Minutes of Meeting | yes | no | | |
| 6 | 11/10/2004 | S.D | 244 | 11/10/2004 | N/A | Your proposal-Petrol Stations | no | no | | |
| 7 | 11/10/2004 | S.D | 245 | 11/10/2004 | N/A | Access to private properties along the road | no | no | | |
| 8 | 18/10/2004 | S.D | 246 | 12/10/2004 | N/A | Interim Minutes of Meeting held 05.10.04 | yes | no | | |
| 9 | 13/10/2004 | S.D | 247 | 12/10/2004 | 179/04.10.04 | Letter 179 | no | no | | |
| 10 | 20/10/2004 | R.D | 248 | 20/10/2004 | N/A | Single Seal in Shoulders | yes | no | | |

1.3.8. Project progress photos

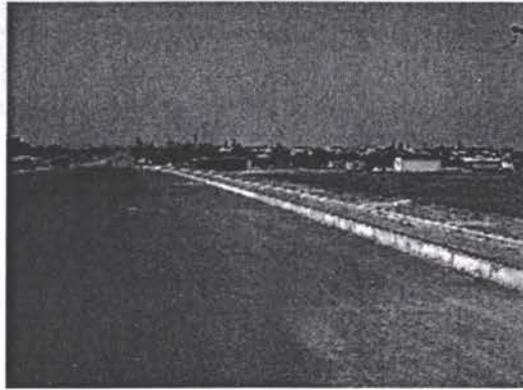
Approaches to Petrol Stations





Pedestrian walkway

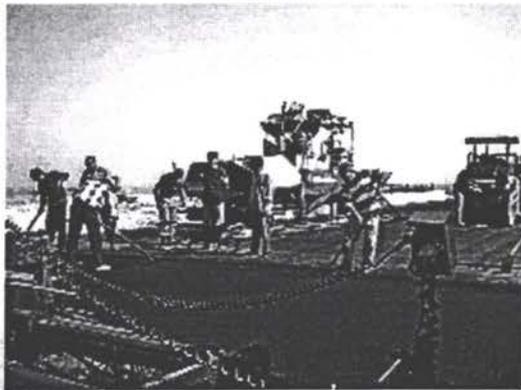
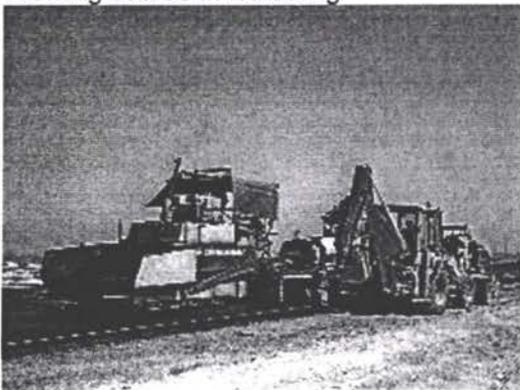


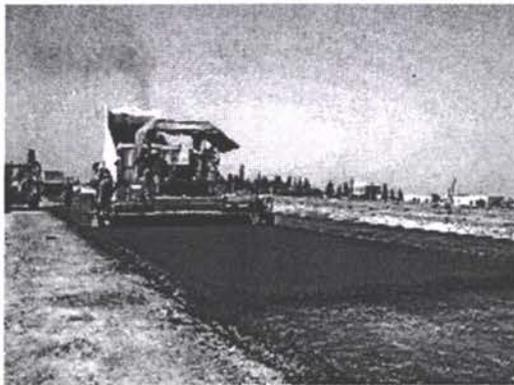


Preparing Binder surface to receive Tack coat and then Wearing course

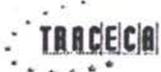


Wearing course in full swing





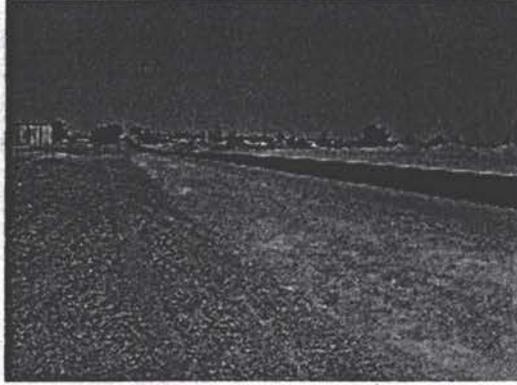
Consultant's asphalt inspector in action



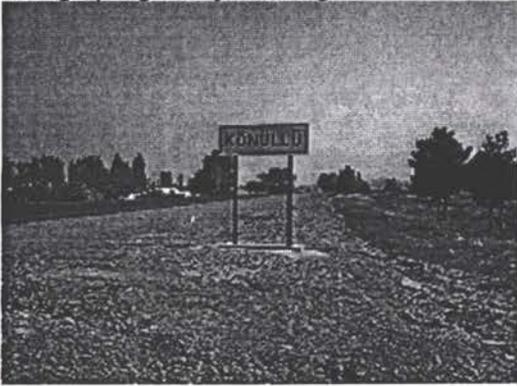


Finishing off Borrow pits areas, cuts and cutting side drains





Fixing up signatory road signs



Owners which have been cut off from the main road started backfilling freshly cut side drains to obtain access to the road

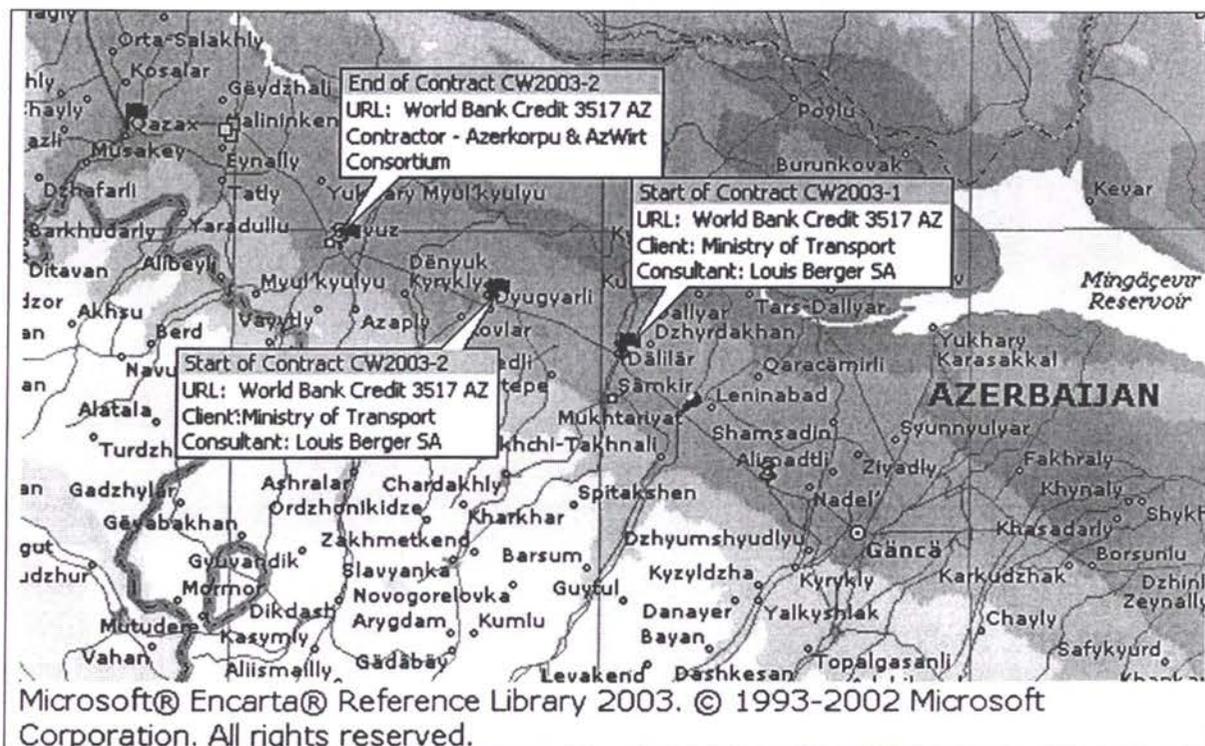


Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for Project Component II:

Construction Supervision of Shemkir to Gazakh - Highway

Contracts CW2003-1 and CW2003-2



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

A. Contracts CW2003-1 and CW2003-2

A.2.1. Report Cover page

Table 1

| | | |
|-------------------------|---|--|
| Project Title | Construction Supervision of Shemkir to Gazakh Highway - Contracts CW2003-1 and CW2003-2 | |
| Service Contract | EUROPEAID/113179/C/SV/MULTI | |
| Country | Azerbaijan | |
| | Local Recipient - Partner | EC Service-Contractor |
| Name | Azerbaijan Republic Ministry of Transport | Louis Berger SA |
| Address | The Head of Road Transport Service Department Prospect Tbilisi 1054 The Ministry of Transport | Mercure III 55 Bis Quai de Grenelle 75015 Paris France |
| Tel No | 99412 4930192 | + 33 1 45 78 39 32 |
| Fax No | 99412 4315655 | + 33 1 45 77 74 69 |
| Contact Person | Mr. Javid G. Gurbanov | Mr. F. Signor |
| E-mail | | 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

| | |
|------------------------------|---|
| Project Objectives | <ul style="list-style-type: none"> 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. To improve and provide a better level of service for the travelling public on route corridors, To reduce costs in road transportation, To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention, To reduce costs for road rehabilitation and maintenance. 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" 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. To strengthen the national road construction and maintenance capabilities Through transfer of technology. |
| Outputs | <ul style="list-style-type: none"> Good Roads completed to best standards and at the budget price. |
| Project activities | <ul style="list-style-type: none"> To rehabilitate and upgrade the existing highway Shemkir to Gazakh – Contracts CW2003-1 and CW2003-2 |
| Start date | <ul style="list-style-type: none"> February 23rd2004 |
| Start date activities | <ul style="list-style-type: none"> February 23rd2004 |
| Project duration | <ul style="list-style-type: none"> 18 months or 548 days |

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

| | |
|---------------------------------------|--|
| Funding Agent | 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 |
| Employer | 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 |
| Project Implementation Unit | 72/4 Uzeyir Hajibeyov Street 370010 Baku |
| Mr A. Gojayev | Director |
| EUROPEAID EC Brussels | |
| Mr. E. Dalamangas | Project Manager |
| Service Supervision Contractor | |
| 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 |
| Contractors | Azerkorpu – Azwirt Consortium |

A.2.3.2. Project Data

Table 4

| Works Contracts CW 2003-1 and CW2003-2 | |
|---|---|
| Works Tender Opened | September 2 nd 2003 |
| Letter of Acceptance | December 27 th 2003 |
| Contract Agreement Signed | January 22 nd 2004 |
| Possession of site | February 5 th 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 rd 2004 |
| Original Contract Completion Date | August 23 rd 2005 |
| Extended Completion Date | N/A |
| Defects Liability Period | 365 days |
| 1 st Works Programme received | March 24 th 2004 |
| Last revision of Works Programme | Oct 27 th 2004 (under consideration) |
| Value of Works to date as per IPCs | 6,154,869,435.50AZM |
| Value of Works done | 6,683,773,089.64AZM |
| Value of Works done (%) | 11.1% |
| 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 | 63 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 | 252 days |
| Time remaining to date | 296 days |

A.2.3.3. Progress report

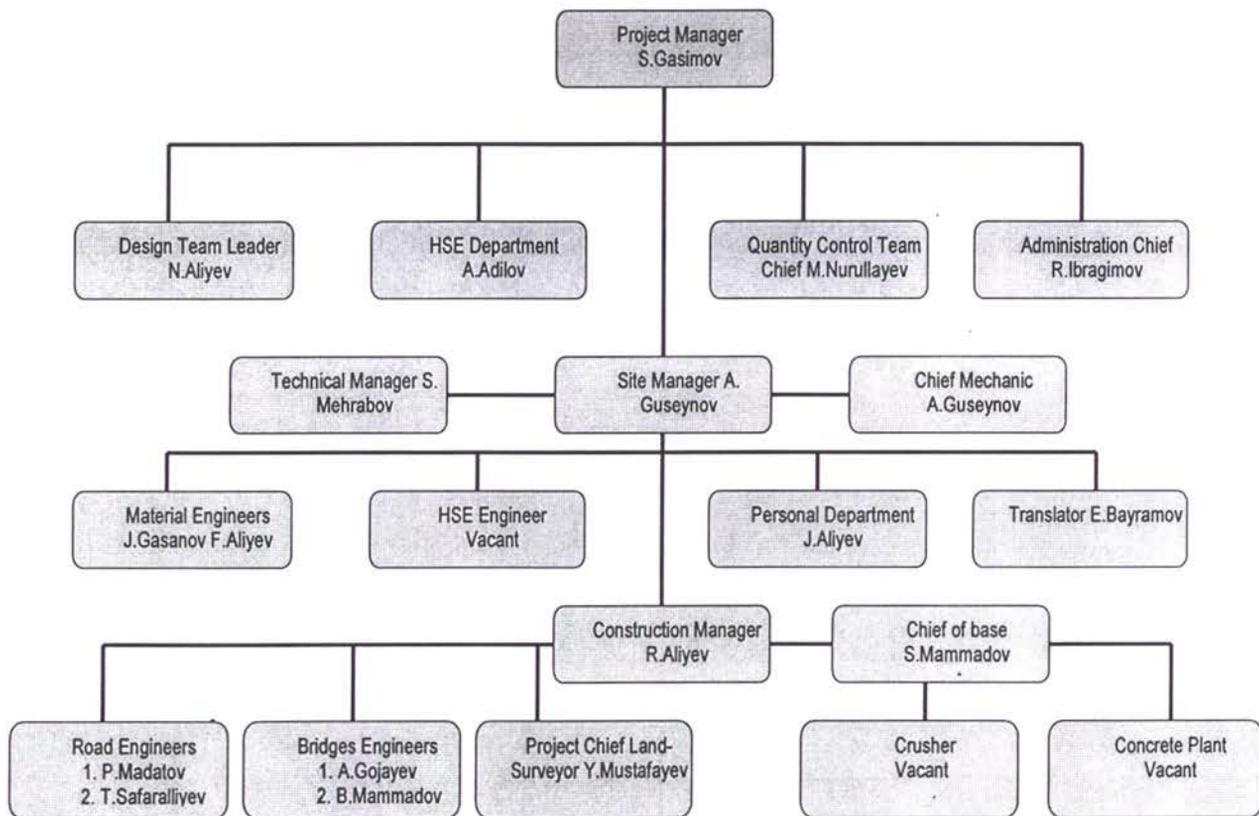
A.2.3.3.1. Status of the Project

Since start (February 23, 2004) the Contractor have been on site 252 days or 45.99% of the Contractual time and to date are remaining 296 days or 54.01% 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

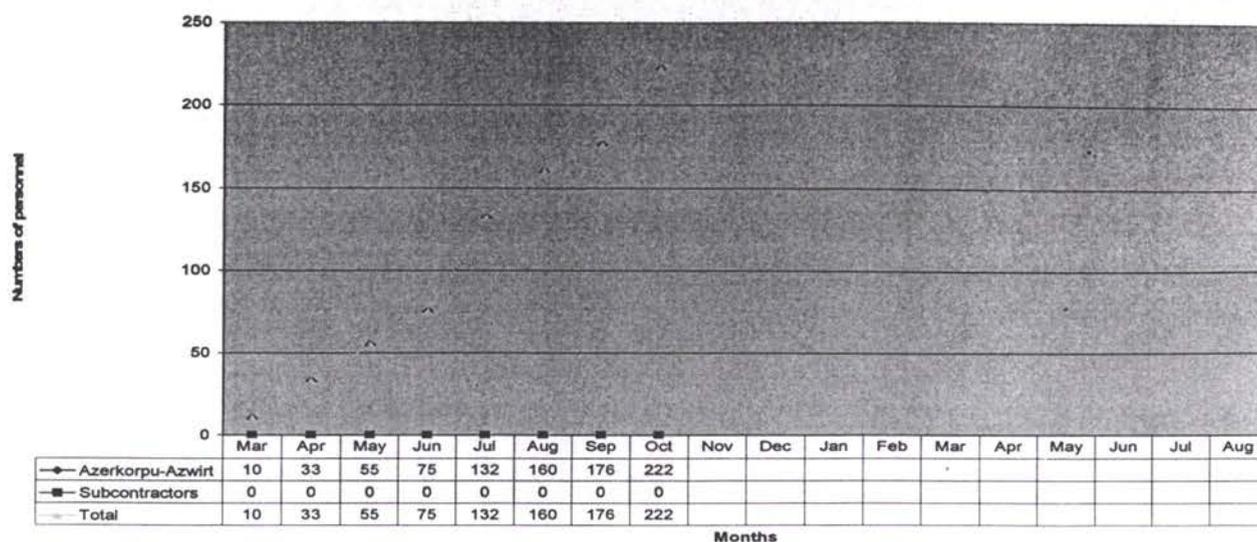


A.2.3.3.1.1.2. Contractor's site staff employed

Contractor at present has employed for construction on this project – 222 people (including locals 127)

Figure 2

Contracts CW2003-1 & 2 - Personnel staff movements



A.2.3.3.1.2. Contractor's machinery and equipment

Table 5

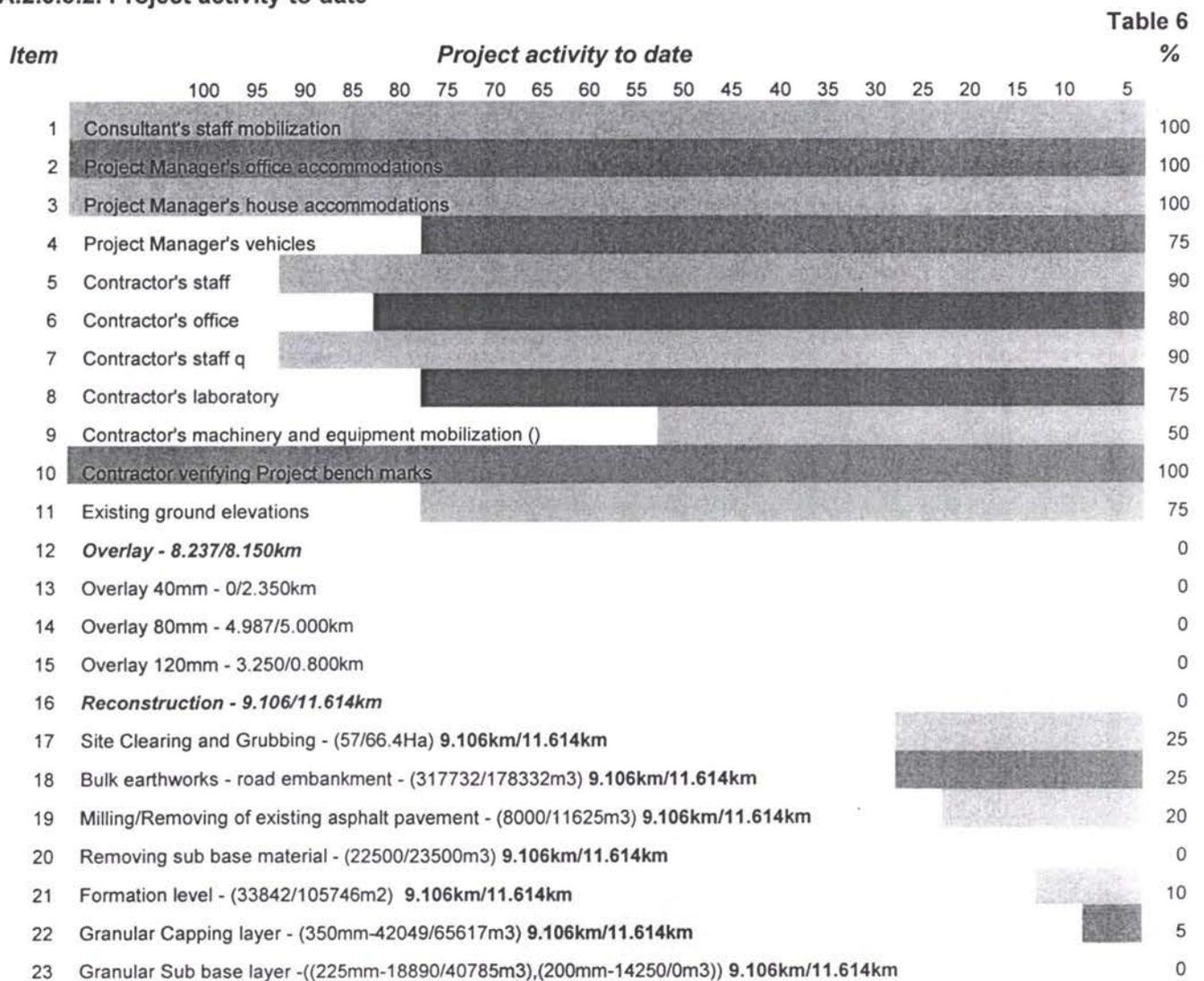
| Item | Description | Model and capacity | Unit | For project | Available | Work day |
|------|----------------------|---|------|-------------|-----------|----------|
| 1 | Dumper truck | Mercedes ,KAMAZ 5511MAZ5516,5319,5334 | no | 0 | 22 | 25 |
| 2 | Crane | RDK | no | 0 | 1 | 14 |
| 3 | Water tanker | MAZ5334 / KRAZL | no | 0 | 2 | 25 |
| 4 | Microbus/BUS | FORD - KIA KAVZ-685 | no | 2 | 2 | 25 |
| 5 | Truck | QAZ-53/QAZ-52 | no | 4 | 0 | 0 |
| 6 | Vero roller | Bomag/dynapac | no | 8 | 0 | 0 |
| 7 | Excavator | Cat318/EO 5129/CAT330,KAMATSU,Litronik A 902 | no | 2 | 6 | 22 |
| | | EO- 3322 | | | | |
| 8 | Grader | DZ-1225-1, DOMAS CAT140H | no | 4 | 3 | 28 |
| 9 | Loader | CaT950G,L-538 | no | 2 | 2 | 24 |
| 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 | 28 |
| 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 | 25 |
| 21 | Drilling Rig | Soilmec 516 | no | 0 | 1 | 8 |
| 22 | Asphalt Paver | Joseph Voegelé AG | no | 2 | 0 | 0 |
| 23 | Pneumatic roller | Bomag | no | 6 | 0 | 0 |
| 24 | Cold milling Machine | Wirtgen | no | 2 | 0 | 0 |

| | | | | | | |
|----|--------------------------------------|----------------------------|----|---|---|----|
| 25 | Semi trailer low bed | Yalchin Dorse Damper San | no | 2 | 0 | 0 |
| 26 | Concrete Mixer | Atika Ultra | no | 2 | 3 | 26 |
| 27 | Concrete Mixer | Stroy mash KAMAZ | no | 4 | 0 | 0 |
| 28 | Bitumen Spreader | KAMAZ | no | 2 | 0 | 0 |
| 29 | Service van | Gazel | no | 2 | 0 | 0 |
| 30 | Road roller | BOMAG 65H,BOXER,Vibrokatok | no | 2 | 4 | 27 |
| 31 | Compressor | Atlas | no | 2 | 0 | 0 |
| 32 | Hidrohammer | Krupp | no | 6 | 0 | 0 |
| 33 | Testing bore on compression ratio | Germany | no | 2 | 0 | 0 |
| 34 | Surveyor level instrument - Zeiss N2 | Germany | no | 2 | 0 | 0 |
| 35 | Lorry | QAZ-66 | no | 0 | 3 | 26 |
| 36 | Car | VAZ-21214 | no | 0 | 7 | 30 |
| 37 | Fuel tanker | ZIL -130 | no | 0 | 1 | 29 |

A.2.3.3.1.3. Contractor's Work programme

The Contractor has submitted updated revised Works programme on October 27th2004. The WP is under consideration and not approved yet.

A.2.3.3.2. Project activity to date



| | | | |
|----|---|------------------------------|----|
| 24 | Bituminous base course - 175mm - (91974/11461m2) | 9.106km/11.614km | 0 |
| 25 | Wearing course - 50mm - (90315/112254m2) | 9.106km/11.614km | 0 |
| 26 | Granular shoulder - 225mm - (11168/13015m3) | 9.106km/11.614km | 0 |
| 27 | Realignment - 1.657/1.236km | | 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 (6), culverts (103) | | 0 |
| 37 | Bridge | | 35 |
| 38 | Culverts - 48/55num | Work is going on 34 culverts | 25 |
| 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

As per the latest approved Programme of Works the Contractor is about 63 days behind on general clearing and grabbing.

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 | | | Renabilitate |
| 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+123 | pipe | 1250 | Yes | | Replace |
| 70e | 83 | yes | 27+543 | box | 2,0x2,0 | Yes | | deleted |
| 71e | 84 | yes | 27+643 | pipe | 2(2200x2200) | 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 | 1000 | 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 | Replace |
| 75n | 90 | no | 28+580 | pipe | 1250 | no | | New |

| | | | | | | | | | |
|------|-----|-----|--------|------|---------|-----|------------|------------|--------------|
| 76e | 91 | yes | 28+620 | pipe | 1000 | Yes | 16/09/2004 | | 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+399 | pipe | 2200 | Yes | | | Replace |
| 80e | 95 | yes | 29+461 | pipe | 1000 | Yes | | | Replace |
| 16 | 96 | no | 29+561 | pipe | 1000 | Yes | | | Replace |
| 81e | 97 | yes | 29+952 | pipe | 1000 | Yes | 28/06/2004 | | Rehabilitate |
| 82n | 98 | no | 30+080 | pipe | 1250 | no | | | New |
| 17 | 99 | yes | 30+300 | pipe | 1000 | Yes | | | Replace |
| 83n | 100 | no | 30+538 | pipe | 1250 | no | | | New |
| 84e | 101 | yes | 30+892 | pipe | 1000 | Yes | | | Replace |
| 85e | 102 | yes | 31+154 | pipe | 1000 | Yes | 17/10/2004 | | Replace |
| 86e | 103 | yes | 31+515 | pipe | 1500 | Yes | 25/08/2004 | | Rehabilitate |
| 18 | 104 | yes | 31+615 | pipe | 1000 | Yes | 28/06/2004 | | Rehabilitate |
| 87e | 105 | yes | 31+962 | pipe | 1000 | Yes | 04/10/2004 | 23/10/2004 | Replace |
| 88e | 106 | yes | 32+096 | box | 2,0x2,0 | Yes | | | Replace |
| 89e | 107 | yes | 32+611 | pipe | 1000 | Yes | 06/07/2004 | | 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 | | Rehabilitate |
| 92e | 110 | yes | 33+352 | pipe | 1000 | Yes | 05/10/2004 | 20/10/2004 | Replace |
| 93e | 111 | yes | 33+643 | pipe | 2200 | Yes | | | Replace |
| 94e | 112 | yes | 33+832 | pipe | 1000 | Yes | | | Replace |
| 95e | 113 | yes | 34+073 | pipe | 1000 | Yes | 28/06/2004 | | Rehabilitate |
| 96e | 114 | yes | 34+379 | pipe | 2x1250 | Yes | | | Replace |
| 97n | 115 | no | 34+400 | pipe | 2x1250 | no | | | deleted |
| 98e | 116 | yes | 35+076 | pipe | 1000 | 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

The Contractor presently is busy at Bridge 39 and 41.

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 | 62.48 | 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 39

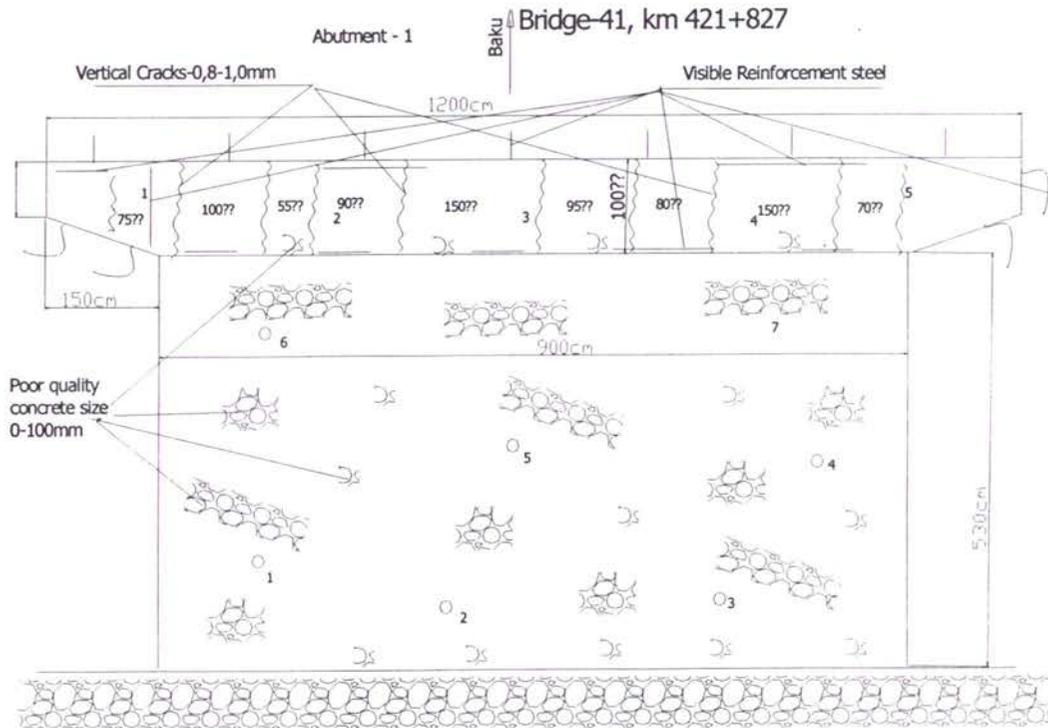
Due to the urgencies of the matter the Contractor started works on Bridge 39 and Works are progressing in accordance with the Programme as shown below.

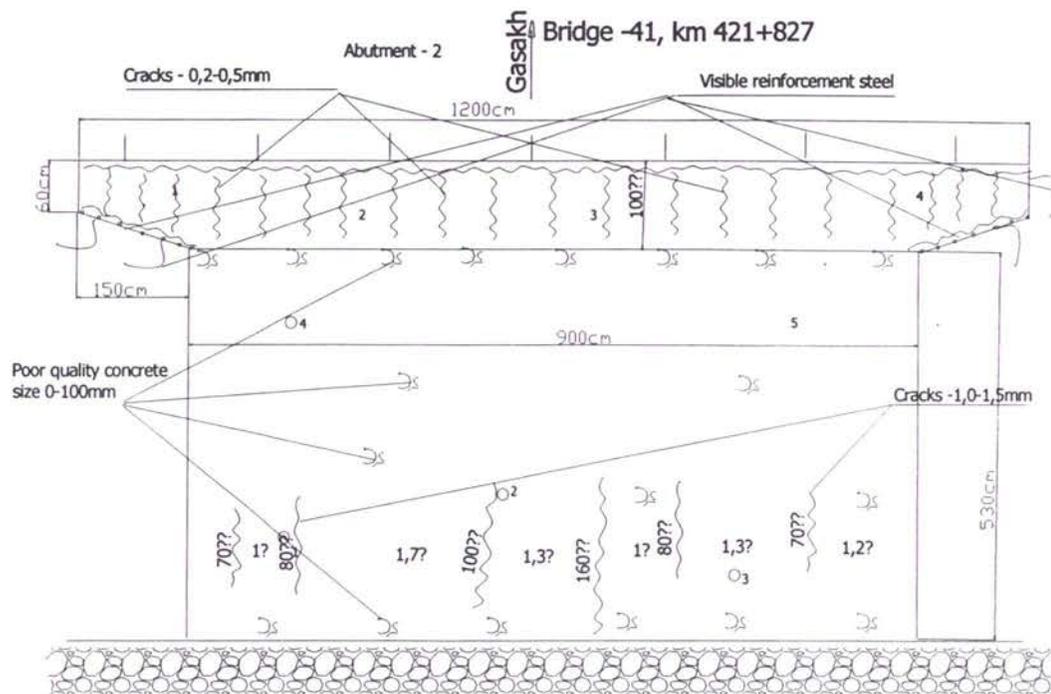
Figure 4

| ID | Task Name | Dure | Star | Finis | July | August | Sept | Octob | Nov | Dec | Janua | Febru | March | April | May | June | July | August | S | |
|----|-----------------------------|-------|--------|--------|------|--------|------|-------|-----|-----|-------|-------|-------|-------|-----|------|------|--------|---|---|
| | | | | | E | M | E | M | E | M | E | M | E | M | E | M | E | M | E | M |
| 1 | ✓ Drilling and cast in situ | 18 d | Fri 2 | Mon 1 | █ | | | | | | | | | | | | | | | |
| 2 | ✓ Intermediate pile caps | 20 d | Fri 2 | Wed 2 | █ | █ | | | | | | | | | | | | | | |
| 3 | ✓ Intermediate piers | 30 d | Wed 6 | Mon 1 | █ | █ | █ | | | | | | | | | | | | | |
| 4 | ✓ Drilling and cast in situ | 12 d | Thu 1 | Fri 30 | █ | █ | | | | | | | | | | | | | | |
| 5 | ✓ Cross beams | 37 d | Sat 11 | Mon 3 | █ | █ | █ | █ | | | | | | | | | | | | |
| 6 | Pre cast Beams | 45 d | Tue 0 | Fri 03 | █ | █ | █ | █ | | | | | | | | | | | | |
| 7 | Bridge deck | 41 d | Thu 0 | Thu 3 | | █ | █ | █ | █ | | | | | | | | | | | |
| 8 | Micellianious on bridge | 23 d | Fri 01 | Tue 0 | | | | █ | █ | | | | | | | | | | | |
| 9 | Barrage | 33 d | Fri 1 | Tue 3 | | | | | █ | █ | | | | | | | | | | |
| 10 | Approach roads | 113 d | Thu 1 | Mon 2 | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ |
| 11 | Pavement on approach | 5 d | Mon 2 | Fri 24 | | | | | | | | | | | | | | | | █ |
| 12 | Misellianious | 4 d | Mon 2 | Thu 3 | | | | | | | | | | | | | | | | █ |

A.2.3.3.3.1.2.3. Bridge 41

The contractor forwarded preliminary design on 28th August 2004. Comprehensive study was done - including checking compressive strength on existing concrete abutment foundations and visible inspection, results as shown below.





The results shown extremity poor existing concrete compressive strength and concluded that new Bridge on those abutments foundations could not be possible to be constructed and they should be demolish and replace if required. However the Contractor proposal is to be constructed new structure at the existing Bridge location, avoiding construction of new approach roads. The Client has accepted and agreed to Contractor's proposal (see RTSD letter 01/1263 dated September 21st2004)

The Contractor start Works and presently all piles are driven and concreted, abutment cross beams are in place and intermediate support pre cast elements are on site ready for positioning.

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 pavement urban design | Comprehensive study done by us and sent for Client consideration and instructions |
| Shemkir - Dallier ring cross road (start of Contract CW2003-1) according Contract Documentations – half is reconstruction and the other half overlay, the question is what to be applied for whole ring cross road – reconstructions or overlay only | Client inform/advice – our letter 61, dated May 20 th 2004 The Client instruction pending |
| Some of existing culverts are badly displaced and rehabilitation works recommended shall not improved the present structures situation, thereafter replacement required | Contractor jointly with Consultant verify the present status (see table 7 above) |
| There are about of 15.5km of longitudinal redesigns remaining, as well as for five remaining bridge designs the Contractor is running late. | The Contractor is warn to speed up with road redesign and bridge design |

- **Expropriations and compensation claims** – Sketch plans for possible public claims

Figure 5

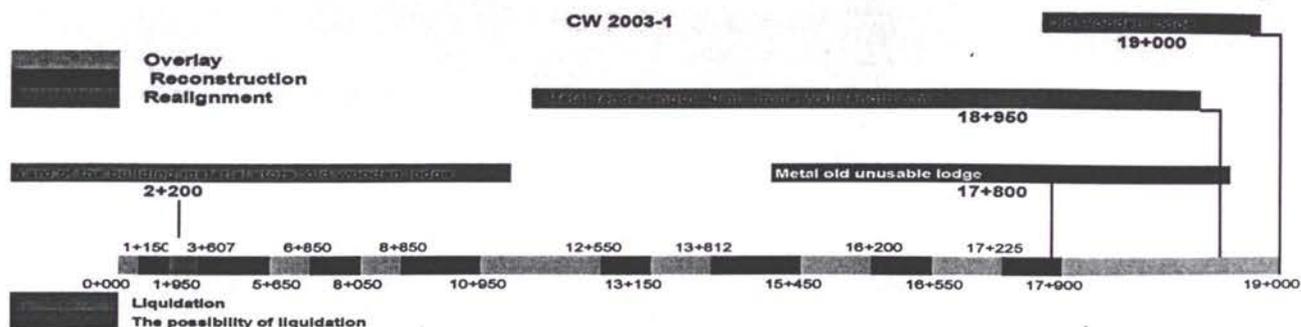
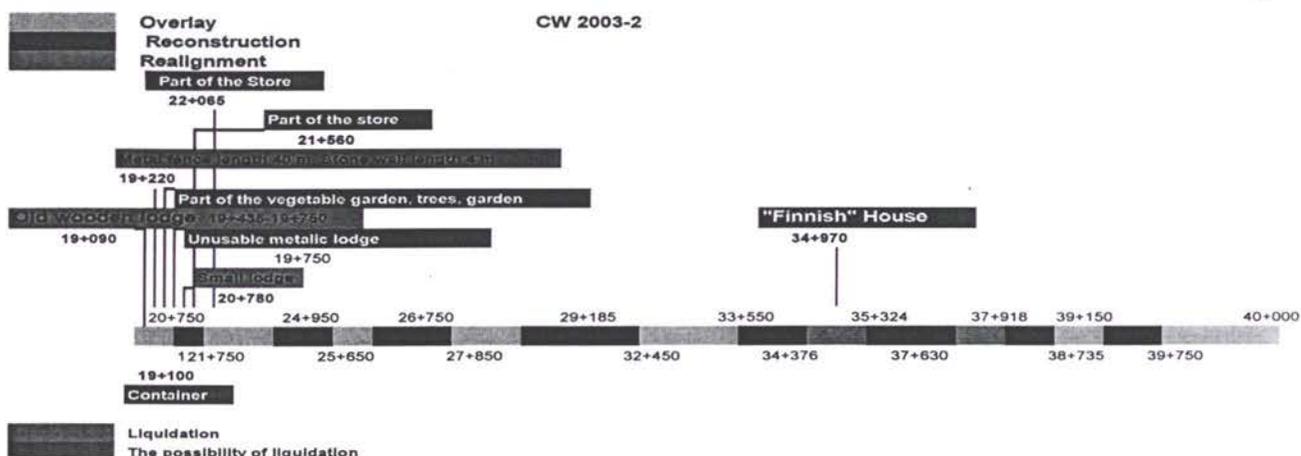


Figure 6



- For longitudinal redesign – Explanatory notes (please see item 3.8 section III)

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

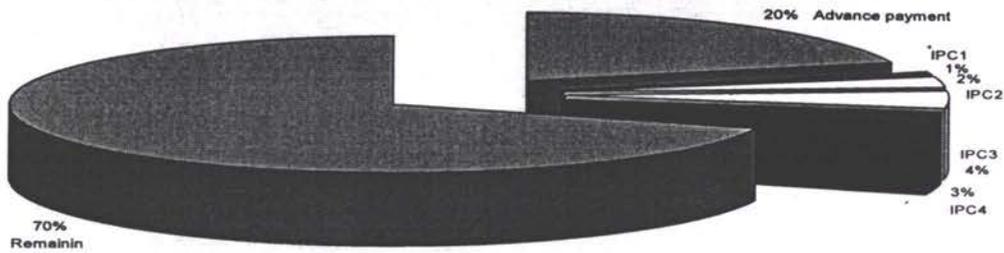
Table 10

| 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% | not yet |
| 3 | 30/07/04 | IPC2 | 1,491,459,373.00 | 2.48% | not yet |
| 4 | 30/08/04 | IPC3 | 2,455,375,624.00 | 4.08% | not yet |
| 5 | 30/09/04 | IPC4 | 1,604,595,238.50 | 2.66% | not yet |
| | | To date | 18,171,322,283.70 | 30.18% | Not fully |
| | | Available | 42,042,849,095.15 | 69.82% | Remained |
| | | Contract price | 60,214,171,378.85 | 100.00% | |

The IPC 5 has not been entered yet at the time of preparation of the Report.

Figure 7

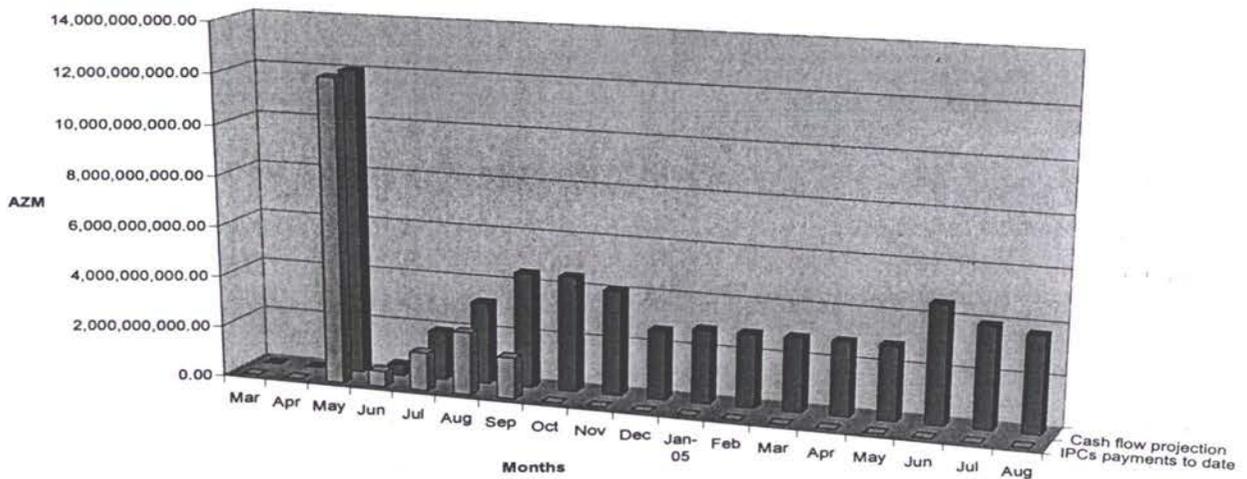
Contracts CW2003-1 & 2, Payments to date and the remaining value of Works



A.2.3.5.2. Cash Flow projection

Figure 8

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



A.2.3.5.3. Contract assessment

A.2.3.5.3.1. Contract time

Contract is running about 210 days delay including 150 days initial delay for longitudinal redesign.

A.2.3.5.3.2. Contract price- (budget expecting preliminary estimates increase/decries)

Table 11

| Item | Description | Unit | Quantity | Cost |
|------|---|------|----------|------------------|
| A | Estimated savings to Contract budget cost | | | AZM |
| 1 | Due to MoT letter 01/581 dated Apr 26th, 2004 temp. stop work at km 37+500 to km 40+000 | AZM | estimate | 3,009,034,085.10 |
| | Estimated savings cost to the Contract | AZM | estimate | 3,009,034,085.10 |
| | | US\$ | | 612,588.37 |
| B | Estimated increase to Contract Budget | | | AZM |
| 1 | Due to underestimated volumes of Works at the Project B&Q for capping layer | m3 | 25426 | 482,127,812.00 |

| | | | | |
|----|--|-----|----------|-------------------|
| 2 | Due to underestimated volumes of Works at the Project B&Q for granular sub base | m3 | 11977 | 1,287,024,466.00 |
| 3 | Due to underestimated volumes of Works at the Project B&Q for bituminous base | m2 | 13593 | 746,106,177.00 |
| 4 | Due to underestimated volumes of Works at the Project B&Q for bituminous surface | m2 | 13048 | 221,098,360.00 |
| 5 | Due to underestimated volumes of Works at the Project B&Q for sub base to shoulders | m3 | 13091 | 1,406,732,678.00 |
| 6 | Due to extra existing culverts on site but not included into B&Q - 18 numbers | AZM | estimate | 444,616,556.00 |
| 7 | Due to collapsing of Bridge 39, km 29+168 and required replacement instead of reconstruction | AZM | estimate | 4,676,215,995.00 |
| 8 | If longitudinal redesign might require completely Change from Overlay to Reconstruction. | AZM | estimate | 10,940,986,361.70 |
| 9 | Due to underestimated volumes of Works at the Project for Bridge 42 across Tovuz Cay | AZM | estimate | 2,701,600,000.00 |
| 10 | Due to review of existing structures at July 2004 for Pipes (Km 0+000 to km 40+000) | num | 33 | 670,760,099.00 |
| 11 | Extra over for unexpected miscellaneous during construction period | AZM | estimate | 2,456,000,000.00 |

| | | | | |
|----|--|------|----------|--------------------------|
| | Estimated extra cost to Contract Budget | AZM | estimate | 26,033,268,504.70 |
| | | US\$ | | 5,299,932.51 |
| C | Contract Price at present | AZM | | 60,082,264,241.00 |
| | | US\$ | | 12,231,731.32 |
| | Due to MoT decision to cut short Contract 2002-1 within 60 m and add to 2003-1&2 | AZM | Vo 1 | 131,862,280.86 |
| C' | Contract revised price (VO 1) | AZM | | 60,214,126,521.86 |
| D | Estimated extra cost to Contract price | AZM | 38.24% | 23,024,234,419.60 |
| | | US\$ | | 4,687,344.14 |
| F | Estimated revised Contract price at present | AZM | | 83,238,360,941.46 |
| | | US\$ | 4912 | 16,945,920.39 |

Note The estimate is not final and might be change as the Works progress

Item 8 Please in order to safe on extra cost during the longitudinal redesign supervision shall be exercised and wherever overlay must be substitute then Composite overlay shall be Introduced.

Item 9 preliminary estimate has been done by the Contractor's representative at the Meeting held June 12th 2004 and might be chance as the Works progress

Item 10 The preliminary estimates shown here above are including the required extra volumes of Works under estimated by the Project B&Q and as reviewed and approved by July 15th 2004

Item 11 estimate have not been calculated because at present is not clear the expected volumes of Works

We have to expect some extras due to underestimated Works at the Project B&Q for Bus stops, Petrol stations Access roads, service ducts and etc.

A.2.3.6. Testing results

Table 12

SUMMARY OF LABORATORY TESTING DURING October MONTH

| Description of Work | | | | | | Remarks |
|--|---------------------|-------|--------|----------|----------|---------|
| | | Total | Passed | Retested | % Passed | |
| Road Embankment | | | | | | |
| 1 | FDT/Nuclear Density | 325 | 286 | 39 | 88.0 | |
| 2 | PI | 1 | 1 | 0 | 100.0 | |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 | |
| 4 | CBR | 1 | 1 | 0 | 100.0 | |
| 5 | Moisture Content | 1 | 1 | 0 | 100.0 | |
| Granular capping layer or selected sub grade fill- 1 (175mm Of 350mm) | | | | | | |
| 1 | Gradation | 1 | 1 | 0 | 100.0 | |
| 2 | FDT/Nuclear Density | 20 | 15 | 5 | 75.0 | |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 | |
| 4 | PI | 1 | 1 | 0 | 100.0 | |
| 5 | CBR | 1 | 1 | 0 | 100.0 | |
| 6 | Moisture Content | 1 | 1 | 0 | 100.0 | |
| Granular capping layer or selected sub grade fill- 2 (175mm Of 350mm) | | | | | | |
| 1 | Gradation | 1 | 1 | 0 | 100.0 | |
| 2 | FDT/Nuclear Density | 10 | 7 | 3 | 70.0 | |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 | |
| 4 | PI | 1 | 1 | 0 | 100.0 | |
| 5 | CBR | 1 | 1 | 0 | 100.0 | |
| 6 | Moisture Content | 1 | 1 | 0 | 100.0 | |
| Concrete Works | | | | | | |
| 1 | Compression Test | 57 | 57 | 0 | 100 | |
| 2 | Slump | 41 | 41 | 0 | 100 | |

A.2.3.7. Correspondence records

A.2.3.7.1. Incoming Letters

Table 13

| Item | Date Received | Author from | Sender's ref | Date on the Letter | In res to | Subject | Attach | Replay status | | |
|------|---------------|-------------|--------------|--------------------|-----------|---|--------|---------------|-----------|----------|
| | | | | | | | | Requi | Date Sent | Our Ref. |
| 1 | 11/10/2004 | G.S | 129-D | 11/10/2004 | N/A | Information about communication line | yes | yes | | |
| 2 | 11/10/2004 | G.S | 130-D | 11/10/2004 | N/A | Shop drawings | yes | yes | | |
| 3 | 23/10/2004 | G.S | 486 | 12/10/2004 | N/A | Construction of the new reinforced concrete box pipes d=2.0x2.0 | yes | yes | | |
| 4 | 12/10/2004 | G.S | 131-D | 12/10/2004 | N/A | Interim Payment Certificate No 4 | yes | yes | | |
| 5 | 16/10/2004 | G.S | 132-D | 16/10/2004 | N/A | About Drawings of Pipes | yes | yes | | |
| 6 | 18/10/2004 | G.S | 133-D | 18/10/2004 | N/A | Manufacture Certificates | yes | yes | | |
| 7 | 18/10/2004 | G.S | 134-D | 18/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 8 | 18/10/2004 | G.S | 135-D | 18/10/2004 | N/A | Borrow Pits | yes | yes | | |
| 9 | 18/10/2004 | G.S | 136-D | 18/10/2004 | N/A | Revised Project | no | yes | | |
| 10 | 20/10/2004 | G.S | 137-D | 19/10/2004 | N/A | Start construction of culverts | no | yes | | |
| 11 | 23/10/2004 | G.S | 138-D | 22/10/2004 | N/A | Methods of Statement | yes | yes | | |
| 12 | 25/10/2004 | G.S | 140-D | 22/10/2004 | N/A | Manufacture Certificates | yes | yes | | |
| 13 | 25/10/2004 | G.S | 141-D | 21/10/2004 | N/A | Shop drawings of pipe | yes | yes | | |
| 14 | 25/10/2004 | G.S | 142-D | 23/10/2004 | N/A | Start construction works | no | yes | | |
| 15 | 25/10/2004 | G.S | 143-D | 24/10/2004 | N/A | Existing Ground Elevations | yes | yes | | |
| 16 | 25/10/2004 | G.S | 144-D | 25/10/2004 | N/A | Design Project | no | no | | |
| 17 | 26/10/2004 | G.S | 145-D | 26/10/2004 | N/A | Shop Drawings of Pipe | yes | yes | | |
| 18 | 27/10/2004 | G.S | 146-D | 27/10/2004 | N/A | Table of abtacles | yes | yes | | |
| 19 | 27/10/2004 | G.S | 147-D | 27/10/2004 | N/A | Revised Schedule of Works | yes | yes | | |
| 20 | 29/10/2004 | G.S | 148-D | 28/10/2004 | N/A | Staff and equipment for October | yes | yes | | |
| 21 | 29/10/2004 | G.S | 149-D | 29/10/2004 | N/A | Shop Drawings | yes | yes | | |

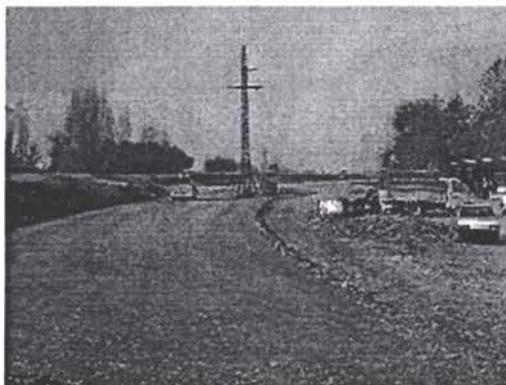
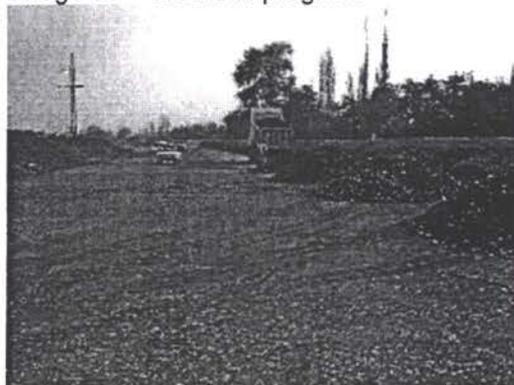
A.2.3.7.2. Outgoing letters

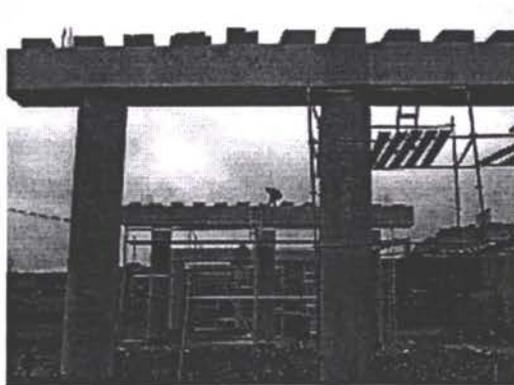
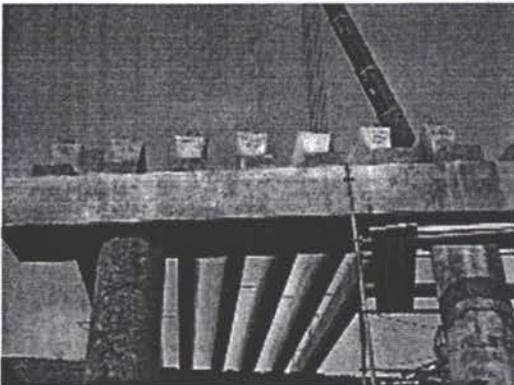
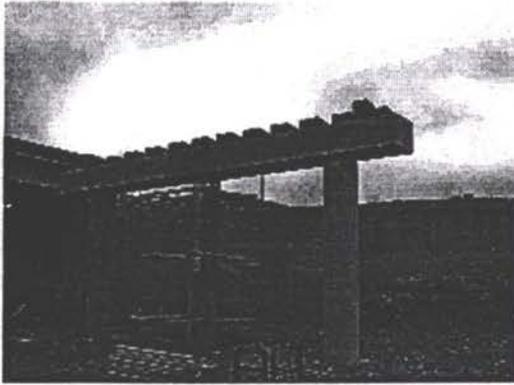
Table 14

| Item | Date | Auth | Our r | Date | In response | Subject | Attach ments | Replay status | | |
|------|------------|----------|---------|------------|----------------|--|-----------------|---------------|------------------|--|
| | Posted | Initials | Written | to | Requ Yes/N | | | Date Sent | Sender's Ref: | |
| 1 | 04/10/2004 | S.D | 156 | 04/10/2004 | N/A | Bridge 41-Asrik Chay | no | no | | |
| 2 | 05/10/2004 | S.D | 157 | 04/10/2004 | 465/23.09.04 | Letter 465 | no | no | | |
| 3 | 05/10/2004 | S.D | 158 | 04/10/2004 | 118-D/09.09.04 | Letter 118-D | no | no | | |
| 4 | 05/10/2004 | S.D | 159 | 04/10/2004 | 119-D/22.09.04 | Letter 119-D | no | no | | |
| 5 | 05/10/2004 | S.D | 160 | 04/10/2004 | 120-D/22.09.04 | Letter 120-D | no | no | | |
| 6 | 10/05/2004 | S.D | 161 | 04/10/2004 | 122-D/24.09.04 | Letter 122-D | no | no | | |
| 7 | 05/10/2004 | S.D | 162 | 04/10/2004 | 123-D/24.09.04 | Letter 123-D | no | no | | |
| 8 | 05/10/2004 | S.D | 163 | 04/10/2004 | 121-D/21.09.04 | Letter 121-D | no | no | | |
| 9 | 05/10/2004 | S.D | 164 | 04/10/2004 | 127-D/29.09.04 | Letter 127-D | no | no | | |
| 10 | 05/10/2004 | S.D | 165 | 04/10/2004 | 124-D/25.09.04 | Letter 124-D | no | no | | |
| 11 | 05/10/2004 | S.D | 166 | 04/10/2004 | 128-D/30.09.04 | Letter 128-D | no | no | | |
| 12 | 08/10/2004 | S.D | 167 | 04/10/2004 | N/A | Revised updated Programme of Works | no | yes | | |
| 13 | 07/10/2004 | S.D | 168 | 04/10/2004 | N/A | Monthly progress Minutes of Meeting | yes | no | | |
| 14 | 19/10/2004 | S.D | 169 | 12/10/2004 | N/A | Interim Minutes of Meeting held 05.10.04 | yes | no | | |
| 15 | 13/10/2004 | S.D | 170 | 12/10/2004 | 130-D/11.10.04 | Letter 130-D | no | no | | |
| 16 | 13/10/2004 | S.D | 171 | 13/10/2004 | 131-D/12.10.04 | Letter 131-D | no | no | | |

A.2.3.8. Project progress photos

Bridge 39 – Works in progress





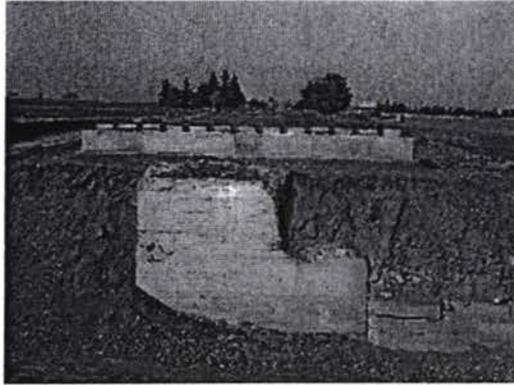
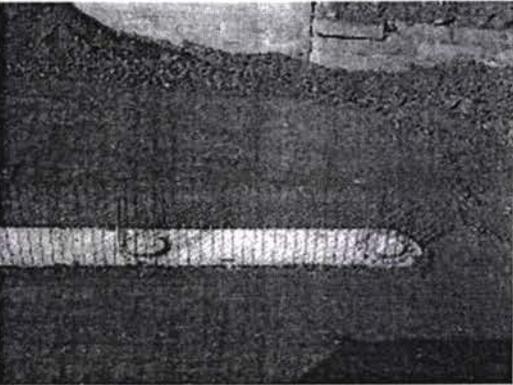
Newly delivered Concrete plant at Base camp



Removed asphalt layer on stockpile at base camp and some crushed material on stock pile



Bridge 41 Works in progress



Unsuitable material



Earthworks in progress

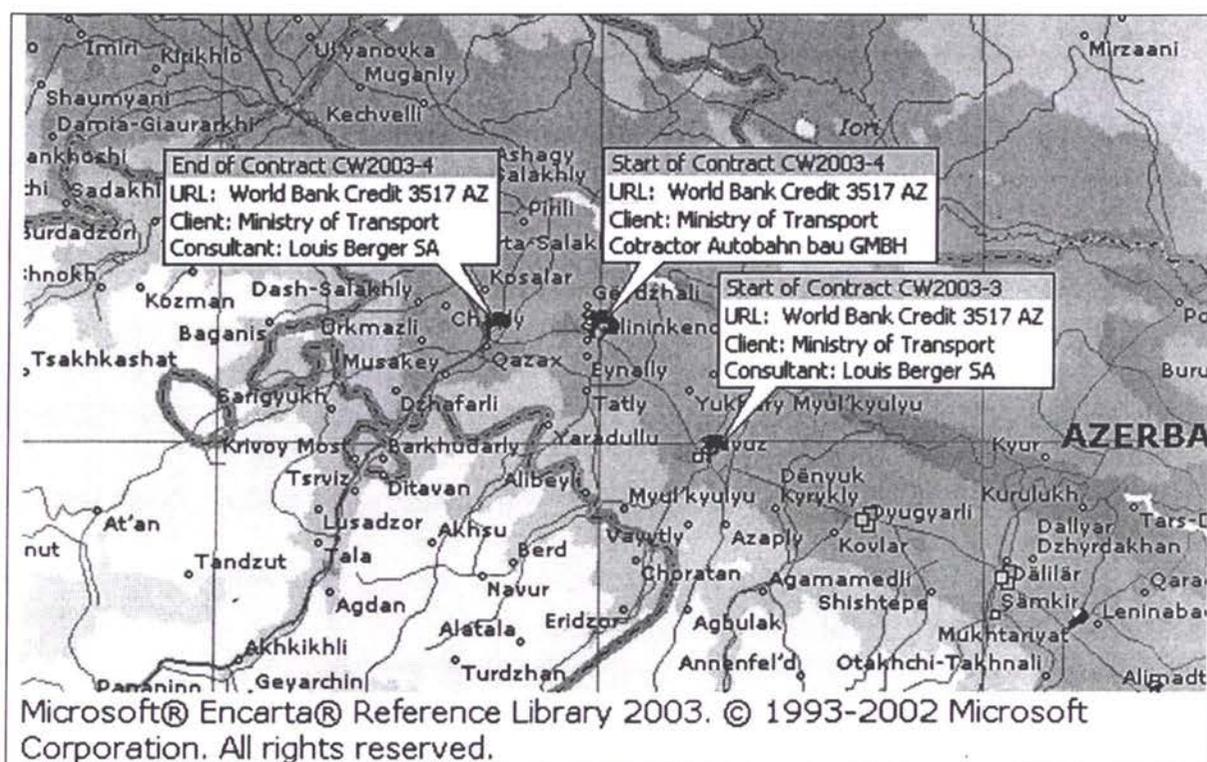




Rehabilitation of Caucasian Highways Azerbaijan

Monthly Technical report

Segment 2 for Project Component II:
Construction Supervision of Shemkir to Gazakh - Highway
Contracts CW2003-3 and CW2003-4



B. Contracts CW2003-3 and CW2003-4

B.2.1. Report Cover page

Table 1

| | | |
|-------------------------|---|--|
| Project Title | Construction Supervision of Shemkir to Gazakh - Highway - Contracts CW2003-3 and CW2003-4 | |
| Service Contract | EUROPEAID/113179/C/SV/MULTI | |
| Country | Azerbaijan | |
| | Local Recipient - Partner | EC Service Contractor |
| Name | Azerbaijan Republic Ministry of Transport | Louis Berger SA |
| Address | The Head of Road Transport Service Department Prospect Tbilisi 1054 The Ministry of Transport | Mercure III 55 Bis Quai de Grenelle 75015 Paris France |
| Tel No | 99412 4930192 | + 33 1 45 78 39 32 |
| Fax No | 99412 4315655 | + 33 1 45 77 74 69 |
| Contact Person | Mr. Javid G. Gurbanov | Mr. F. Signor |
| E-mail | | 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

| | |
|------------------------------|--|
| Project Objectives | <ul style="list-style-type: none"> To support the Republic of Azerbaijan to catch up with their serious backlog maintenance, and to cope with growing Local, and International Transport. To improve and provide a better level of service for the travelling public on route corridors, To reduce costs in road transportation, To arrest deterioration of pavements (<i>road surfaces</i>) by timely intervention, To reduce costs for road rehabilitation and maintenance. 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" 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. To strengthen the national road construction and maintenance capabilities through Transfer of technology. |
| Outputs | <ul style="list-style-type: none"> Good Roads completed to best standards and at the budget price. |
| Activities | <ul style="list-style-type: none"> To rehabilitate and upgrade the existing highway Shemkir to Gazakh - Contracts CW2003-3 and CW2003-4 |
| Start date | <ul style="list-style-type: none"> February 23rd2004 |
| Start date activities | <ul style="list-style-type: none"> February 23rd2004 |
| Duration | <ul style="list-style-type: none"> 18 months or 548 days |

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

| | |
|---------------------------------------|--|
| Funding Agent | 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 |
| Employer | 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 |
| Project Implementation Unit | 72/4 Uzeyir Hajibeyov Street 370010 Baku |
| Mr A Gojayev | Director |
| EUROPEAID EC Brussels | |
| Mr. E Dalamangas | Project Manager |
| Service Supervision Contractor | |
| 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 |
| Contractors | Autobahn Bau GMBH |

B.3.3.2. Project Data

Table 4

| Works Contracts CW2003-3 and CW2003-4 | |
|--|---|
| Works Tender Opened | September 2 nd 2003 |
| Letter of Acceptance | December 27 th 2004 |
| Contract Agreement Signed | January 22 nd 2004 |
| Possession of site | February 5 th 2004 |
| Contract Amount | AZM 45,937,384,407.14 |
| Contract revised amount | N/A |
| Contract Start Date | February 23 rd 2004 |
| Original Contract Completion Date | August 23 rd 2005 |
| Defects Liability Period | 365 days |
| Extended Completion Date | N/A |
| 1 st , Works Programme received | March 1 st 2004 |
| Last revision of Works Programme | July 2004 |
| Value of Works to date as per IPC | 2,895,421,712.40AZM |
| Value of Works done to date | 4,685,613,209.52AZM |
| Value of Works done to date (%) | 10.2% |
| Variations | N/A |
| Advance Payment (20%) | 9,187,476,881.42 AZM |
| Repayments made | N/A |
| Delays | 40 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 th 2004 |

| | |
|------------------------|----------|
| Time elapsed to date | 252 days |
| Time remaining to date | 296 days |

B.2.3.3. Progress report

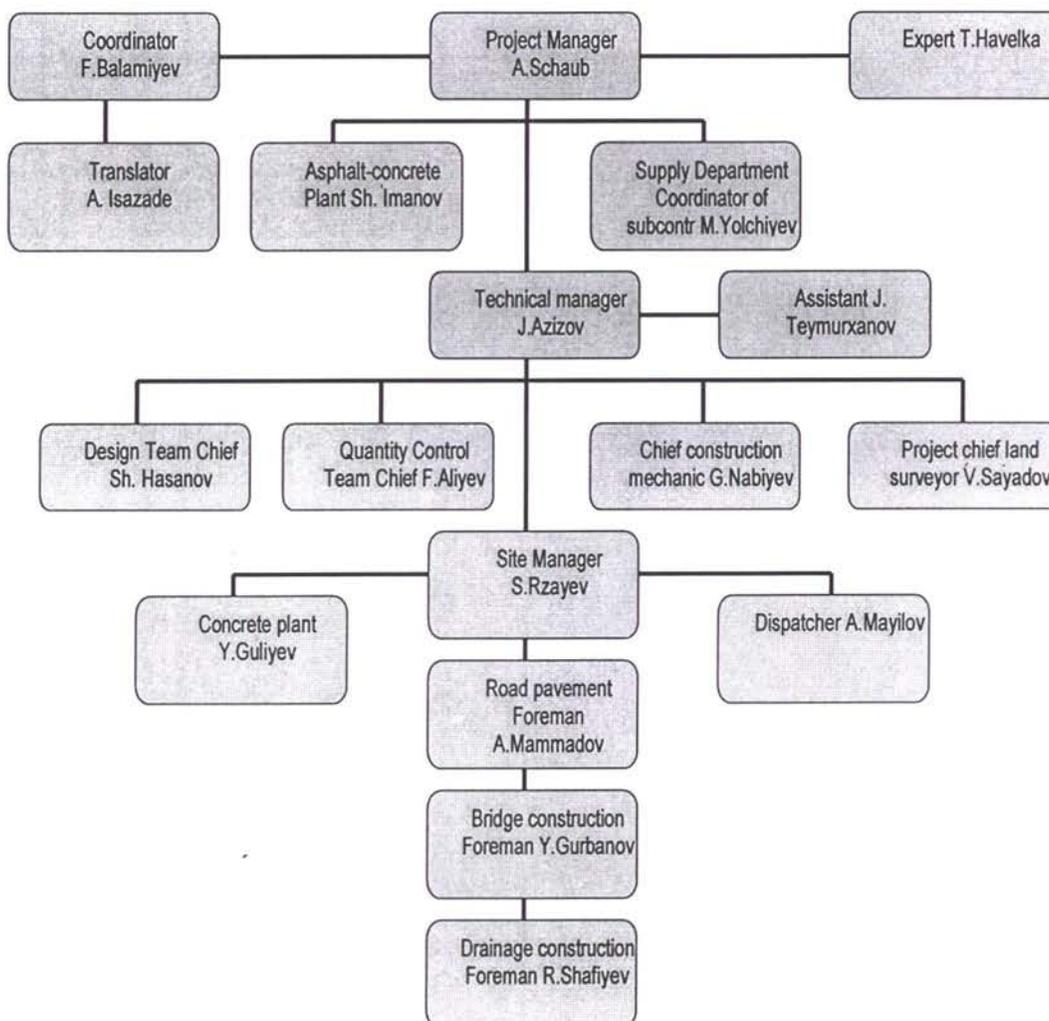
B.2.3.3.1. Status of the Contract

Since start (February 23rd2004) the Contractor have been on site 252 days or 45.99% of the Contractual time and to date are remaining 296 days or 54.01% 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

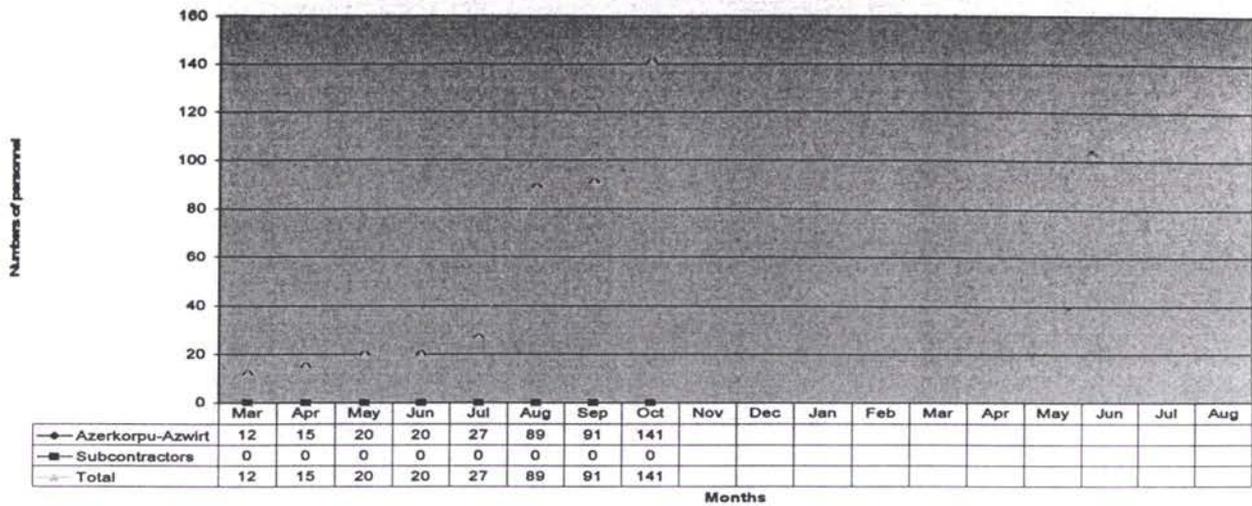


B.2.3.3.1.1.2. Contractor's site staff employed

This month Contractor have employed for purpose of construction on this Project 141 people

Figure 2

Contracts CW2003-3 & 4 - Personnel staff movements



B.2.3.3.1.2. Contractor's machinery and equipment

Table 5

| Item | Description | Model and capacity | Unit | For project | Available | Work day |
|------|----------------------|--------------------------------------|------|-------------|-----------|----------|
| 1 | Dumper truck | Mercedes KAMAZ 5511/KRAZ 256 B | no | 0 | 25 | 24 |
| 2 | Crane | KRAZ /KC-3562/KC-455/KC-4361 | no | 0 | 4 | 17 |
| 3 | Water tanker | MAZ/ZIL | no | 0 | 2 | 23 |
| 4 | Bus | QAZ-66/QAZ-53 | no | 2 | 4 | 28 |
| 5 | Truck | QAZ-53/QAZ-52 | no | 4 | 2 | 28 |
| 6 | Vibro roller | Bomag /dynapac | no | 8 | 6 | 27 |
| 7 | Excavator | Cat/Kamatsu/EO 5124/EO-2621/EO- 3322 | no | 2 | 7 | 20 |
| 8 | Grader | Kamatsu /Galion/Cat | no | 4 | 3 | 25 |
| 9 | Loader | Cat | no | 2 | 1 | 14 |
| 10 | Welding Machine | | no | 0 | 2 | 25 |
| 11 | Trailer | | no | 2 | 1 | 27 |
| 12 | Milling Machine | Wirtgen | no | 2 | 1 | 27 |
| 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 | 1 | 0 |
| 15 | Vibrating plate | Bomag | no | 4 | 4 | 0 |
| 16 | Bulldozer | CHTZ | no | 2 | 2 | 0 |
| 17 | Truck crane | | no | 4 | 5 | 0 |
| 18 | Water carrier | | no | 0 | 3 | 0 |
| 19 | Welding set | | no | 0 | 1 | 0 |
| 20 | Generator | | no | 0 | 1 | 0 |
| 21 | Drilling Rig | | no | 0 | 1 | 0 |
| 22 | Asphalt Paver | Joseph Vogele AG | no | 2 | 0 | 0 |
| 23 | Pneumatic roller | Bomag | no | 6 | 0 | 0 |
| 24 | Cold milling Machine | Wirtgen | no | 2 | 1 | 0 |
| 25 | Semi trailer low bed | Yalchin Dorse Damper San | no | 2 | 2 | 0 |

| | | | | | | |
|----|--------------------------------------|-------------|----|---|---|---|
| 26 | Concrete Mixer | Atika Ultra | no | 2 | 0 | 0 |
| 27 | Concrete Mixer | Stroy mash | no | 4 | 0 | 0 |
| 28 | Bitumen Spreader | KAMAZ | no | 2 | 0 | 0 |
| 29 | Service van | Gazel | no | 2 | 0 | 0 |
| 30 | Road roller | Bomag | no | 2 | 0 | 0 |
| 31 | Compressor | Atlas | no | 2 | 0 | 0 |
| 32 | Hidrohammer | Krupp | no | 6 | 0 | 0 |
| 33 | Testing bore on compression ratio | Germany | no | 2 | 0 | 0 |
| 34 | Surveyor level instrument - Zeiss N2 | Germany | no | 2 | 0 | 0 |

B.2.3.3.1.3. Contractor's Work programme

The required by condition of Contract updated and revised Work Programme has not been forwarded yet.

B.2.3.3.2. Project activity to date

Table 6

| Item | Project activity to date | | | | | | | | | | | | | | | | % | | |
|------|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|
| | 100 | 95 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | | 20 | 15 |
| 1 | [Bar from 100 to 100] | | | | | | | | | | | | | | | | 100 | | |
| 2 | [Bar from 100 to 100] | | | | | | | | | | | | | | | | 100 | | |
| 3 | [Bar from 100 to 100] | | | | | | | | | | | | | | | | 100 | | |
| 4 | [Bar from 100 to 25] | | | | | | | | | | | | | | | | 25 | | |
| 5 | [Bar from 100 to 80] | | | | | | | | | | | | | | | | 80 | | |
| 6 | [Bar from 100 to 90] | | | | | | | | | | | | | | | | 90 | | |
| 7 | [Bar from 100 to 80] | | | | | | | | | | | | | | | | 80 | | |
| 8 | [Bar from 100 to 75] | | | | | | | | | | | | | | | | 75 | | |
| 9 | [Bar from 100 to 40] | | | | | | | | | | | | | | | | 40 | | |
| 10 | [Bar from 100 to 100] | | | | | | | | | | | | | | | | 100 | | |
| 11 | [Bar from 100 to 70] | | | | | | | | | | | | | | | | 70 | | |
| 12 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 13 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 14 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 15 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 16 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 17 | [Bar from 100 to 20] | | | | | | | | | | | | | | | | 20 | | |
| 18 | [Bar from 100 to 15] | | | | | | | | | | | | | | | | 15 | | |
| 19 | [Bar from 100 to 65] | | | | | | | | | | | | | | | | 65 | | |
| 20 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 21 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 22 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 23 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 24 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 25 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 26 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 0 | | |
| 27 | [Bar from 100 to 0] | | | | | | | | | | | | | | | | 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 | 0 |
| 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 (75) | 0 |
| 37 | Bridge -(1)new,(3)rehab. To start 1 new bridge | 15 |
| 38 | Culverts - 52/23num Work is going on 10 culverts | 25 |
| 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 40 days delay on site clearing and grabbing.

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 | 1250 | 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 | 2,0x2,0 | yes | | | Replace |
| 24 | 19 | yes | 46+421 | Pipe | 1000 | yes | | | Replace |
| 123e | 20 | yes | 46+504 | Pipe | 1250 | yes | | | Replace |
| 25 | 21 | yes | 46+804 | Box | 2,0x2,0 | yes | | | Replace |
| 26 | 22 | yes | 47+137 | Pipe | 1000 | yes | | | Replace |
| 27 | 23 | yes | 47+270 | Pipe | 1250 | yes | | | Replace |
| 28 | 24 | yes | 47+270 | Pipe | 1000 | 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 | Box | 2,0x2,0 | yes | 07/07/2004 | | Rehabilitate |
| 127e | 28 | yes | 48+608 | Pipe | 1250 | yes | | | Replace |
| 128e | 29 | yes | 49+066 | Pipe | 1250 | yes | 10/09/2004 | | Replace |
| 129e | 30 | yes | 49+247 | Pipe | 1200 | yes | | | Replace |
| 130e | 31 | yes | 49+614 | Pipe | 1250 | yes | | | 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 | 1000 | yes | | | Replace |
| 133e | 35 | yes | 50+964 | Pipe | 1250 | yes | 21/09/2004 | 20/10/2004 | Replace |
| 30 | 36 | yes | 51+064 | Pipe | 1000 | yes | | | Replace |
| 31 | 37 | yes | 51+394 | Pipe | 1000 | yes | | | Replace |
| 134n | 38 | yes | 51+430 | Pipe | 2x1250 | yes | 15/09/2004 | 07/10/2004 | Replace |
| 135e | 39 | yes | 51+540 | Pipe | 1000 | yes | | | Replace |
| 136e | 40 | yes | 51+649 | Pipe | 1000 | yes | 23/09/2004 | 15/10/2004 | Replace |
| 32 | 41 | yes | 51+800 | Pipe | 1000 | yes | | | Replace |
| 137e | 42 | yes | 52+041 | Pipe | 1000 | yes | | | 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+435 | Pipe | 1000 | yes | | | 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 | | Replace |
| 142e | 48 | yes | 53+865 | Pipe | 1000 | yes | | | Replace |
| 143e | 49 | yes | 53+980 | Pipe | 1000 | yes | 13/10/2004 | | Replace |
| 144e | 50 | yes | 54+121 | Pipe | 1000 | yes | | | Replace |
| 145e | 51 | yes | 54+331 | Pipe | 1000 | yes | | | Replace |
| 146e | 52 | yes | 54+505 | Pipe | 1000 | yes | | | Replace |
| 147e | 53 | yes | 54+593 | Pipe | 1250 | yes | 10/09/2004 | 26/10/2004 | Replace |
| 148e | 54 | yes | 54+924 | Pipe | 1200 | yes | | | Replace |
| 34 | 55 | yes | 55+150 | Pipe | 1000 | yes | 07/10/2004 | 23/10/2004 | Replace |
| 149e | 56 | yes | 55+405 | Pipe | 1000 | yes | | | Replace |
| 35 | 57 | yes | 55+548 | Pipe | 1200 | yes | | | Replace |
| 150n | 58 | yes | 56+502 | Pipe | 1250 | yes | | | Replace |
| 151e | 59 | yes | 57+002 | Pipe | 1250 | yes | | | Replace |
| 152e | 60 | yes | 57+093 | Pipe | 1250 | yes | | | Replace |
| 153n | 61 | yes | 57+578 | Pipe | 1250 | yes | | | Replace |
| 36 | 62 | yes | 58+014 | Pipe | 1250 | yes | | | Replace |
| 154e | 63 | yes | 58+124 | Pipe | 1250 | yes | | | Replace |
| 155e | 64 | yes | 58+519 | Pipe | 1250 | yes | | | Replace |
| 156e | 65 | yes | 58+549 | Pipe | 2x1000 | yes | | | Replace |
| 157n | 66 | yes | 58+758 | Pipe | 1250 | yes | | | Replace |
| 37 | 67 | yes | 59+175 | Pipe | 1250 | yes | | | Replace |
| 158e | 68 | yes | 59+593 | Box | 1250 | yes | | | Replace |
| 159n | 69 | no | 59+850 | Box | 4,0x2,5 | no | | | New |
| 38 | 70 | no | 60+131 | Pipe | 1000 | yes | | | New |
| 160e | 71 | yes | 60+986 | Box | 1250 | yes | | | Replace |
| 161n | 72 | no | 62+050 | Box | 3,0x2,5 | no | | | New |
| 162e | 73 | yes | 62+449 | Pipe | 1000 | yes | | | Replace |
| 163e | 74 | yes | 62+627 | Pipe | 1250 | yes | | | Replace |
| 164e | 75 | yes | 63+233 | Pipe | 1000 | yes | 06/07/2004 | | Rehabilitate |
| 165e | 76 | yes | 63+744 | Pipe | 1000 | yes | | | Replace |
| 166e | 77 | yes | 64+039 | Pipe | 1250/1000 | yes | | | Replace |
| 167e | 78 | yes | 64+456 | Pipe | 1000 | yes | 06/07/2004 | | Rehabilitate |
| 168e | 79 | yes | 65+004 | Box | 4,0x2,0 | yes | | | Replace |
| 169e | 80 | yes | 65+725 | Box | 2,0x1,5 | yes | | | Replace |

| | | | | | | | | | |
|------|----|-----|--------|------|------------|-----|------------|--|--------------|
| 170e | 81 | yes | 67+033 | Pipe | 1250 | yes | | | Replace |
| 171e | 82 | yes | 67+320 | Pipe | 1250 | yes | | | Replace |
| 172e | 83 | yes | 67+612 | Pipe | 1000 | yes | | | Replace |
| 173e | 84 | yes | 67+880 | Pipe | 1000 | yes | 06/07/2004 | | Rehabilitate |
| 174e | 85 | yes | 68+095 | Pipe | 1000 | yes | | | Replace |
| 175e | 86 | yes | 68+654 | Box | 4,5x3,5 | yes | | | Replace |
| 39 | 87 | yes | 68+954 | Pipe | 1000 | yes | | | deleted |
| 176e | 88 | yes | 69+427 | Box | 3(3,0x4,0) | yes | | | Full water |
| 40 | 89 | yes | 69+600 | Pipe | 1250 | yes | | | Replace |
| 177e | 90 | yes | 70+250 | Box | 2,0x2,0 | yes | | | Replace |
| 178e | 91 | yes | 70+361 | Box | 3,5x3,5 | yes | | | Replace |
| 179e | 92 | yes | 71+562 | Pipe | 1000 | yes | | | Replace |
| 180n | 93 | yes | 71+641 | Box | 2,0x2,0 | yes | | | Replace |
| 181e | 94 | yes | 71+851 | Box | 2,0x2,0 | yes | | | Full water |
| 182e | 95 | 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

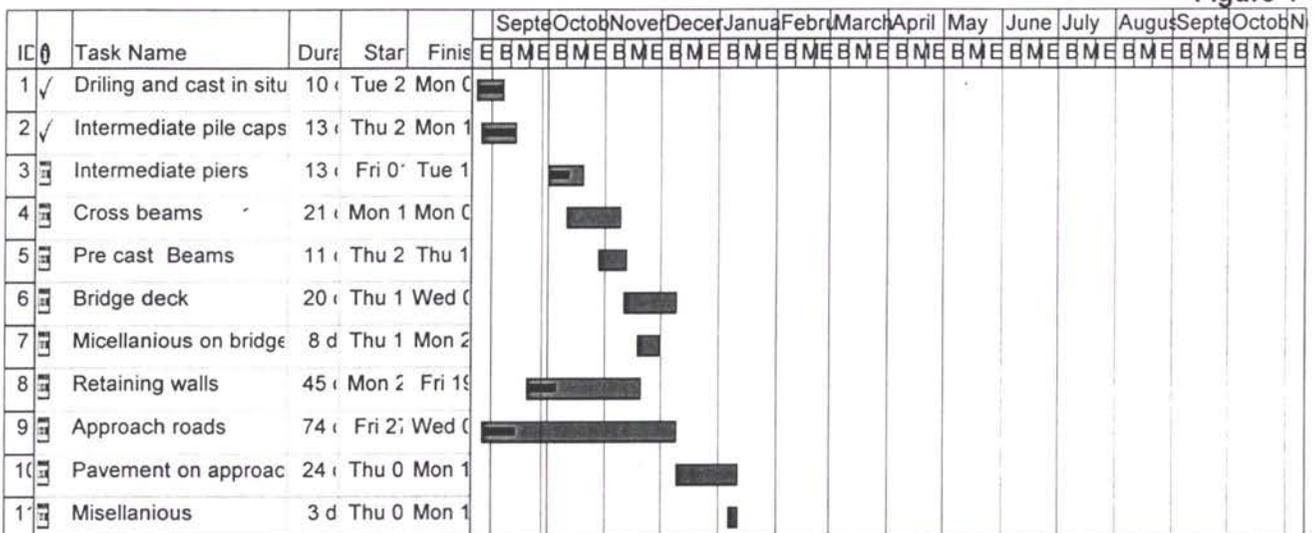
Table 8

| Bridge No | Chainage | Description of the existing structure | Existing length (meter) | Carriage way | Action | Description according to the project (meter) | Size according to the project | Carriage way |
|-----------|----------|---------------------------------------|-------------------------|--------------|-------------|--|-------------------------------|--------------|
| 43 | 44+808 | 4.4*5.0 B | 9.1 | 8.7 | Box culvert | 5.0*2.5 B | 23.5 | 9 |
| 45 | 60+101 | 10.2+16.1+ 10.2 | 46 | 7 | Replace/New | 12+15+12 | 48.5 | 11.5 |
| 46 | 66+144 | 1*13.70 | 19.7 | 7 | Replace/New | 1*15 | 27 | 11.5 |
| 47 | 70+940 | (3*22)+(3*21) | 145 | 7 | Replace/New | (3*22)+(3*21) | 14.5 | 11.5 |

B.2.3.3.3.1.2.2. Bridge 45

Works progressing as per the Work Programme – Bridge 45 below:

Figure 4



B.2.3.3.3.1.2.3. Bridge 46

The Contractor forwarded Bridge 46 design drawings and B&Q for consideration and approval (KAF-110/04 dated September 22nd2004). Client approval is expected any time soon.

B.2.3.3.3.2. Problems which might effect onto completion date

Table 9

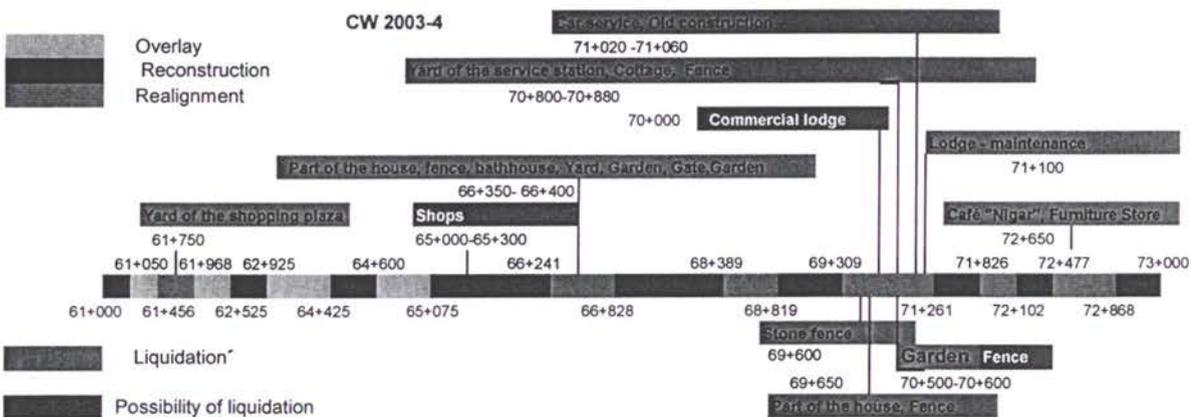
| Problems associated with completing the Contract in time | Actions taken |
|---|---|
| Early warnings – clause 32, Conditions of Contract – existing buildings along the road, narrow road within the urban locations and our proposal to original pavement urban design | Comprehensive study done by us and sent for Client consideration and instructions |
| Preliminary Longitudinal redesign have been complete, however the Contractor is behind with Bridge redesigns | The Contractor is warn to speed bridge redesign |

- **Expropriations and compensation claims - Sketch plans for possible public claims**

Figure 5



Figure 6



- **For longitudinal redesign – Explanatory notes (please see item 3.8 section III)**

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 6th, 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. 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. 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 13th2004) 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

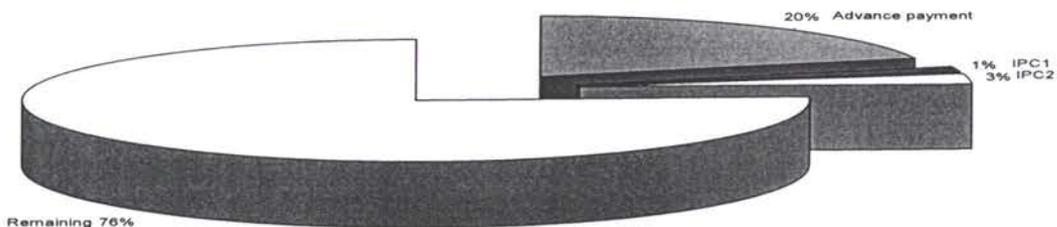
Table 10

| 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% | not yet |
| 3 | 30/07/04 | IPC2 | 1,367,804,350.40 | 2.98% | not yet |
| | | To date | 11,137,887,951.82 | 24.25% | not fully |
| | | Available | 34,799,496,455.32 | 75.75% | Remained |
| | | Contract price | 45,937,384,407.14 | 100.00% | |

The IPC 3 has not been entered yet at the time of preparation of the Report

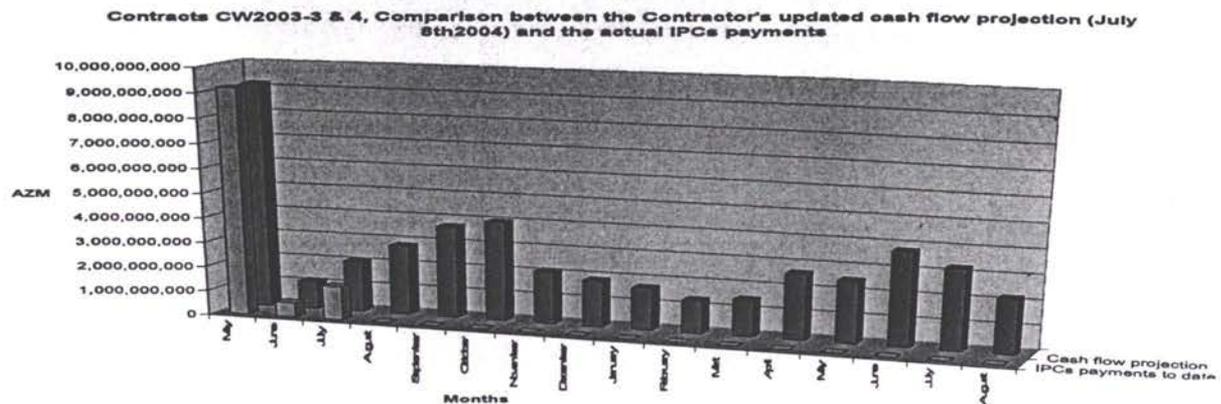
Figure 7

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



B.2.3.5.2. Cash Flow projection

Figure 8



B.2.3.5.3. Contract assessment

B.2.3.5.3.1. Contract time

Contract is running about 190 days delay including 150 days initial delay for longitudinal redesign.

B.2.3.5.3.2. Contract price- (budget expecting preliminary estimates)

Table 11

| Item | Description | Unit | Quantity | Cost |
|----------|--|------|----------|-------------------------|
| A | Estimated savings to Contract budget cost | | | AZM |
| 1 | Due to overestimated volumes of Works at the Project B&Q for granular sub base | m3 | 12164 | 510,888,000.00 |
| 2 | Due to overestimated volumes of Works at the Project B&Q for bituminous base | m2 | 5307 | 195,600,842.86 |
| 3 | Due to overestimated volumes of Works at the Project B&Q for bituminous surface | m2 | 4177 | 57,433,750.00 |
| 4 | Due to MoT letter 01/581 dated Apr 26 th 2004 temp. stop work at km 40+000 to km 42+000 | AZM | estimate | 1,338,689,941.00 |
| | Estimated savings cost to the Contract | AZM | | 2,102,612,533.86 |
| | | US\$ | | 428,056.30 |
| B | Estimated extra cost to Contract Budget | | | AZM |
| 1 | Due to underestimated volumes of Works at the Project B&Q for capping layer | m3 | 1503 | 22,995,900.00 |
| 2 | Due to underestimated volumes of Works at the Project B&Q for sub base to shoulders | m3 | 8526 | 323,988,000.00 |
| 3 | Due to underestimated volumes of Works at the Project B&Q for overlay of 80mm | m | 1901 | 50,186,400.00 |
| 4 | Due to underestimated volumes of Works at the Project B&Q for overlay of 120mm | m | 1604 | 51,648,800.00 |
| 5 | Due to extra existing culverts on site but not included into the B&Q - 12 numbers | AZM | estimate | 779,671,764.00 |
| 6 | If longitudinal redesign might require completely change from Overlay to Reconstruction. | AZM | estimate | 6,410,121,472.06 |
| 7 | Due to review of existing structure at July 2004 for Pipes (Km 40+000 to km 73+000) | num | 17 | 552,796,564.00 |
| 8 | Extra over for unexpected miscellaneous during construction period | AZM | estimate | 2,456,000,000.00 |
| 9 | Extra over for Bridge 45 – yet to be proff | AZM | estimate | 1,518,622,052.00 |

| | | | | |
|----------|--|------|--------|--------------------------|
| | Estimated extra cost to Contract Budget | AZM | | 12,166,030,952.06 |
| | | US\$ | | 2,476,797.83 |
| C | Contract Price at present | AZM | | 45,937,384,407.14 |
| | | US\$ | | 9,352,073.37 |
| D | Estimated extra cost to Contract price | AZM | 21.91% | 10,063,418,418.20 |
| | | US\$ | | 2,048,741.53 |
| F | Estimated revised Contract price at present | AZM | | 55,000,802,825.34 |
| | | US\$ | 4912 | 11,400,814.91 |

Note: The estimates are not final and might be altered as the Works progress;

Item 6 Please in order to safe on extra cost during the longitudinal redesign supervision shall be exercised and wherever overlay must be substitute then Composite overlay shall be introduced;

Item 7 estimate has been done to July 15th2004 and might be chance as the Works progress;

Item 8 estimate have not been calculated because at present is not clear the expected volumes of Works;

We have to expect some extras due to underestimated Works for Bus stops, Petrol stations Access roads, service ducts and etc.

The extra cost of 21.91% is an estimate and would be finalized after Employer decision about Works to be done between km 40+000 – km 42+000.

B.2.3.6. Testing results

Table 12

SUMMARY OF LABORATORY TESTING DURING October MONTH

| Description of Work | | | | | | Remarks |
|--------------------------------------|---------------------|-------|--------|----------|----------|---------|
| | | Total | Passed | Retested | % Passed | |
| Road Embankment | | | | | | |
| 1 | FDT/Nuclear Density | 475 | 410 | 65 | 86.3 | |
| 2 | PI | 1 | 1 | 0 | 100.0 | |
| 3 | MDD/Proctor | 1 | 1 | 0 | 100.0 | |
| 4 | CBR | 1 | 1 | 0 | 100.0 | |
| 5 | Moisture Content | 1 | 1 | 0 | 100.0 | |
| Concrete Works | | | | | | |
| 1 | Compression Test | 84 | 84 | 0 | 100.0 | |
| 2 | Slump | 43 | 43 | 0 | 100.0 | |
| 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 | 0 | 0 | 0 | 0 | |
| Bituminous road base 2 (90mm) | | | | | | |

B.2.3.7. Correspondence records

B.2.3.7.1. Incoming Letters

Table 13



| Item | Date Received | Autho from | Sender's ref | Date on the Letter | In resp to | Subject | Replay status | | | |
|------|---------------|------------|--------------|--------------------|------------|--|---------------|-----------------|-----------|----------|
| | | | | | | | Attachments | Required Yes/No | Date Sent | Our Ref: |
| 1 | 05/10/2004 | F.N | KA/F-114/04 | 05/10/2004 | N/A | About Existing Buildings | yes | yes | | |
| 2 | 13/10/2004 | A.S | KA/F-115/04 | 11/10/2004 | N/A | Interim Payment Certificates No4 for Contracts CW 03-3 and CW 03-4 | yes | yes | | |
| 3 | 12/10/2004 | A.S | KA/AS-116/04 | 11/10/2004 | N/A | Revised updated Programme of Works. | no | yes | | |
| 4 | 12/10/2004 | A.S | KA/AS-117/04 | 11/10/2004 | N/A | Presentation of the new Management | no | yes | | |
| 5 | 15/10/2004 | A.S | KA/AS-135/04 | 14/10/2004 | N/A | Supplementary cross profiles KM65+500-68+080 | yes | yes | | |
| 6 | 25/10/2004 | M/M | KA/MM-118/04 | 12/10/2004 | N/A | Early Warning | no | yes | | |
| 7 | 18/10/2004 | A.S | KA/AS-119/04 | 14/10/2004 | N/A | Confirmation of oral instructions and agreements | no | yes | | |
| 8 | 15/10/2004 | A.S | KA/AS-120/04 | 15/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 9 | 18/10/2004 | A.S | KA/AS-121/04 | 16/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 10 | 21/10/2004 | A.S | KA/AS-122/04 | 21/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 11 | 22/10/2004 | A.S | KA/AS-123/04 | 22/10/2004 | N/A | Detailed design of the section Km 41+904,78-46+040 | yes | no | | |
| 12 | 27/10/2004 | A.S | KA/AS-124/04 | 27/10/2004 | N/A | Obstacles on section Km 61+000 - KM 66+000 | yes | yes | | |
| 13 | 26/10/2004 | A.S | KA/AS-125/04 | 26/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 14 | 25/10/2004 | A/S | KA/AS-126/04 | 27/10/2004 | N/A | Revised project of section 59+590. 76-61+044.45 | no | no | | |
| 15 | 28/10/2004 | A.S | KA/AS-127/04 | 28/10/2004 | N/A | Monthly Proceeding of the no. 5 Project Progress Meeting from 28.07.04 | yes | yes | | |
| 16 | 28/10/2004 | A.S | KA/AS-128/04 | 28/10/2004 | N/A | Contractors steff and equipment for October 2004 | yes | yes | | |
| 17 | 26/10/2004 | A.S | KA/AS-129/04 | 26/10/2004 | N/A | Shop drawings of pipes | yes | yes | | |
| 18 | 01/11/2004 | A.S | KA/AS-130/04 | 31/10/2004 | N/A | Early Warning | yes | no | | |

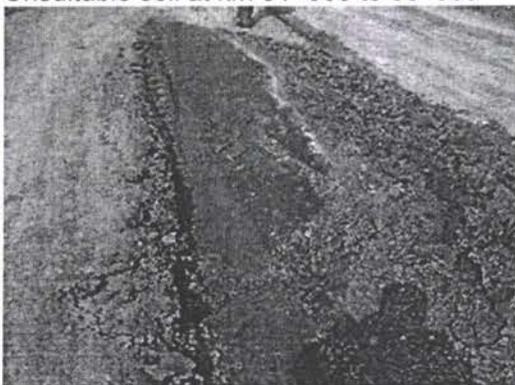
B.2.3.7.2. Outgoing letters

Table 14

| Item | Date Posted | Autho initials | Our | Date Written | In response to | Subject | Attachments | Required Yes/No | Replay status | |
|------|-------------|----------------|-----|--------------|----------------|--|-------------|-----------------|---------------|---------------|
| | | | | | | | | | Date Sent | Sender's Ref: |
| 1 | 04/10/2004 | S.D | 124 | 01/10/2004 | KA/F-109/04 | Letter KA/F-109/04 | no | no | | |
| 2 | 04/10/2004 | S.D | 125 | 01/10/2004 | KA/F-110/04 | Letter KA/F-110/04 | no | no | | |
| 3 | 04/10/2004 | S.D | 126 | 01/10/2004 | KA/F-111/04 | Letter KA/F-111/04 | no | yes | | |
| 4 | 04/10/2004 | S.D | 127 | 01/10/2004 | KA/F-113/04 | Letter KAF/F-113/04 | no | no | | |
| 5 | 04/10/2004 | S.D | 128 | 01/10/2004 | KA/F-95/04 | Letter KA/F-95/04 | no | yes | | |
| 6 | 04/10/2004 | S.D | 129 | 01/10/2004 | KA/F-112/04 | Letter KA/F-112/04 | no | no | | |
| 7 | 08/10/2004 | S.D | 130 | 07/10/2004 | N/A | Revised updated Programme of Works | no | no | | |
| 8 | 07/10/2004 | S.D | 131 | 07/10/2004 | N/A | Monthly progress Minutes of Meeting | yes | no | | |
| 9 | 09/10/2004 | S.D | 132 | 08/10/2004 | KA/F-108/04 | Bridge 45 Price analyses | no | yes | | |
| 10 | 18/10/2004 | S.D | 133 | 12/10/2003 | N/A | Interim Minutes of Meeting held 05.10.04 | yes | no | | |

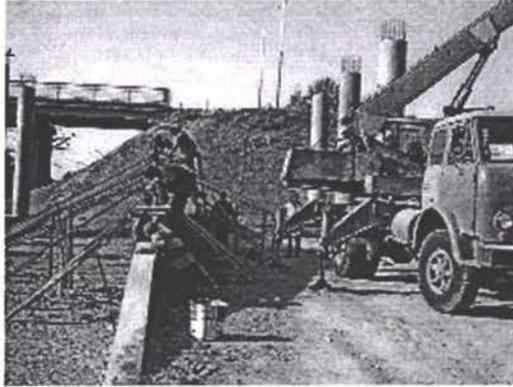
B.2.3.8. Project progress photos

Unsuitable soil at km 51+000 to 53+000





Bridge 45 – Works in progress



Bridge 47



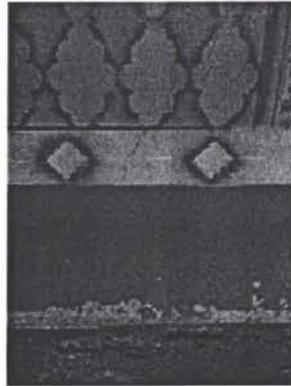
Earthworks in progress



Construction in progress at some of the culverts



Public complain



Rehabilitation of Caucasian Highways Azerbaijan Monthly Technical report

Segment 2 for the Project Component II:

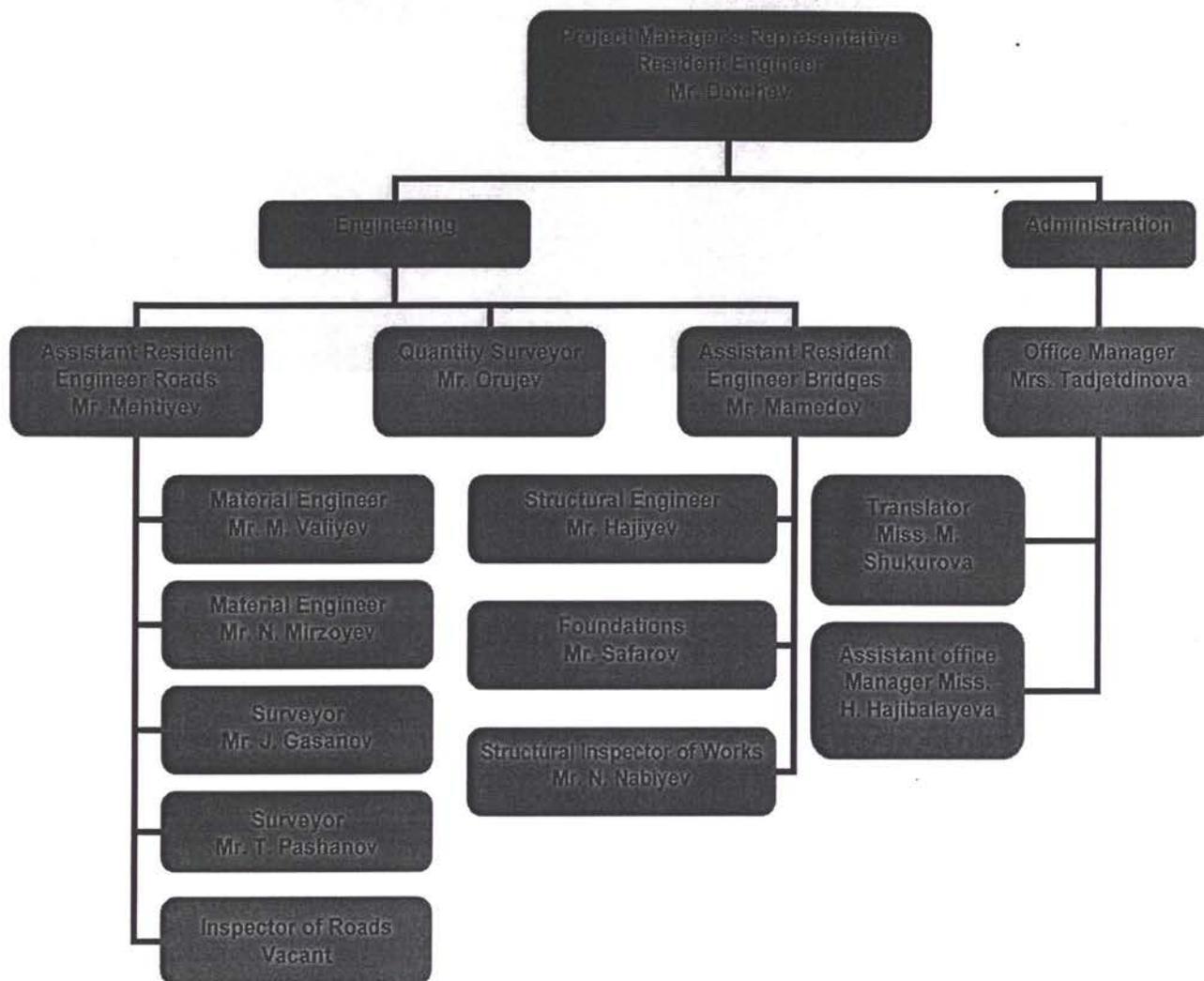
Segment 4 for the Project Component II:

General



3.1. Consultant's site staff management organogramme

Figure 1



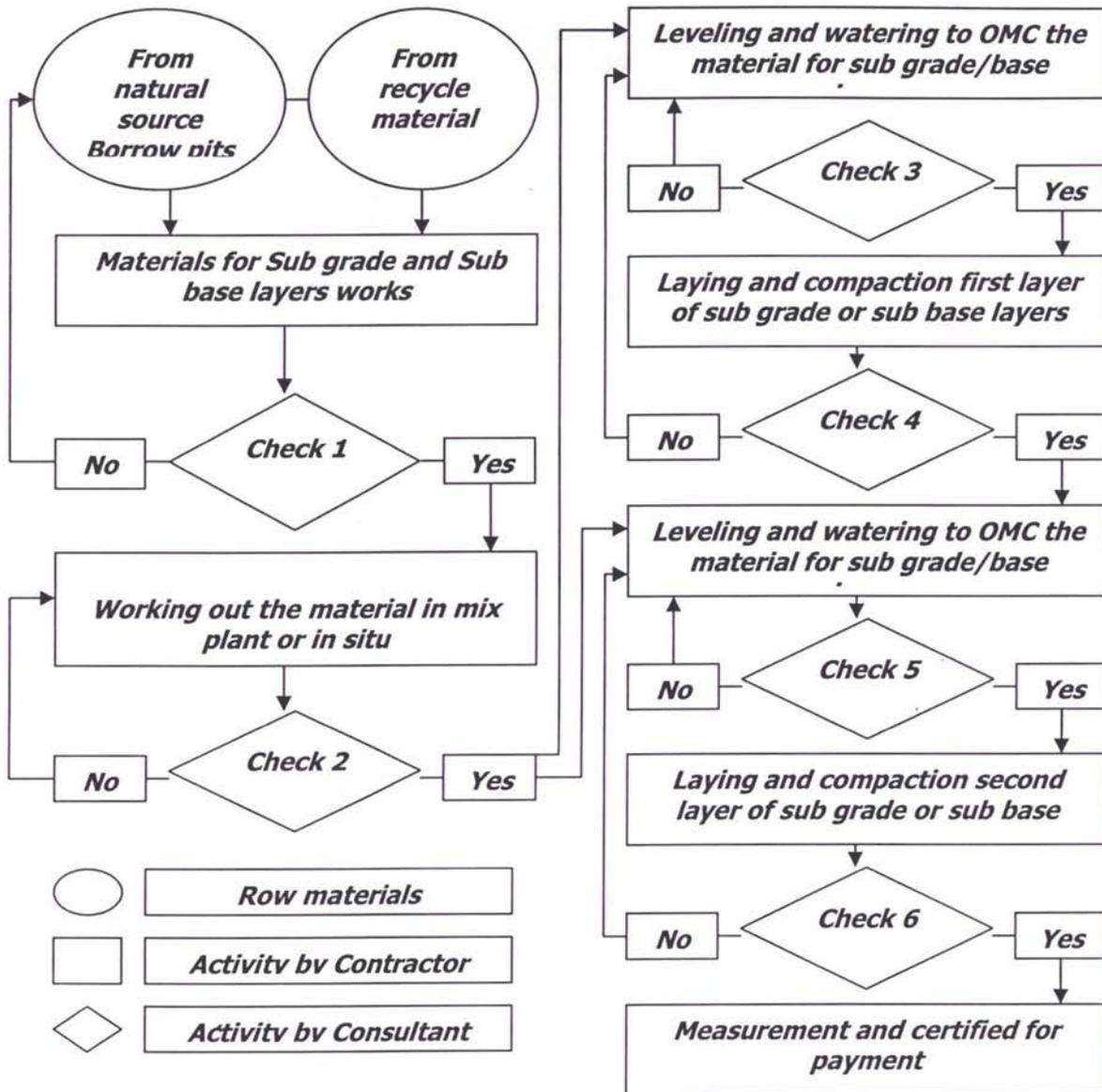
3.2. Quality control procedures

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

Hereunder for easy reference are 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.

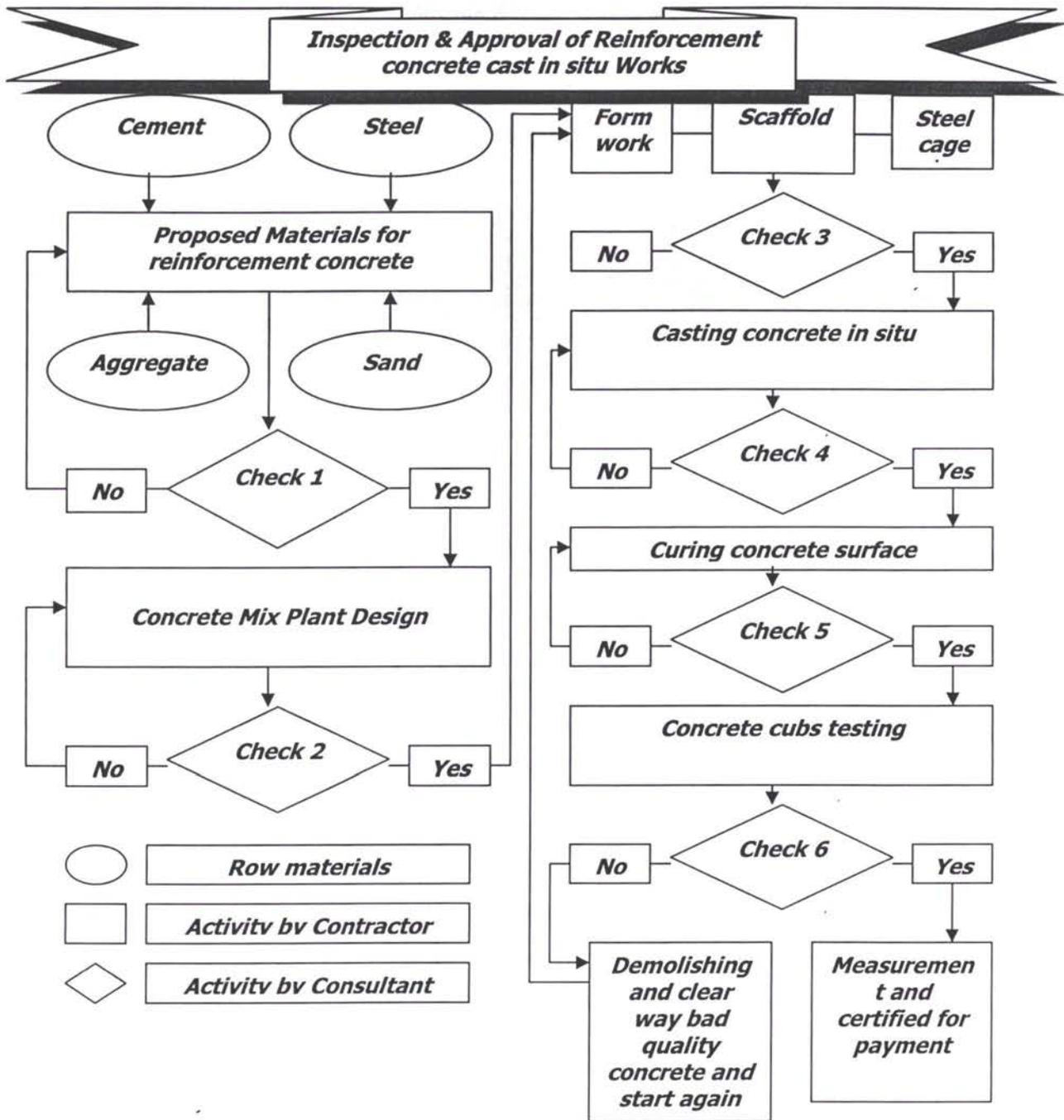
3.2.1. For Sub grade and Sub base

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)

3.2.2. For concrete Work



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 7th and 28th days

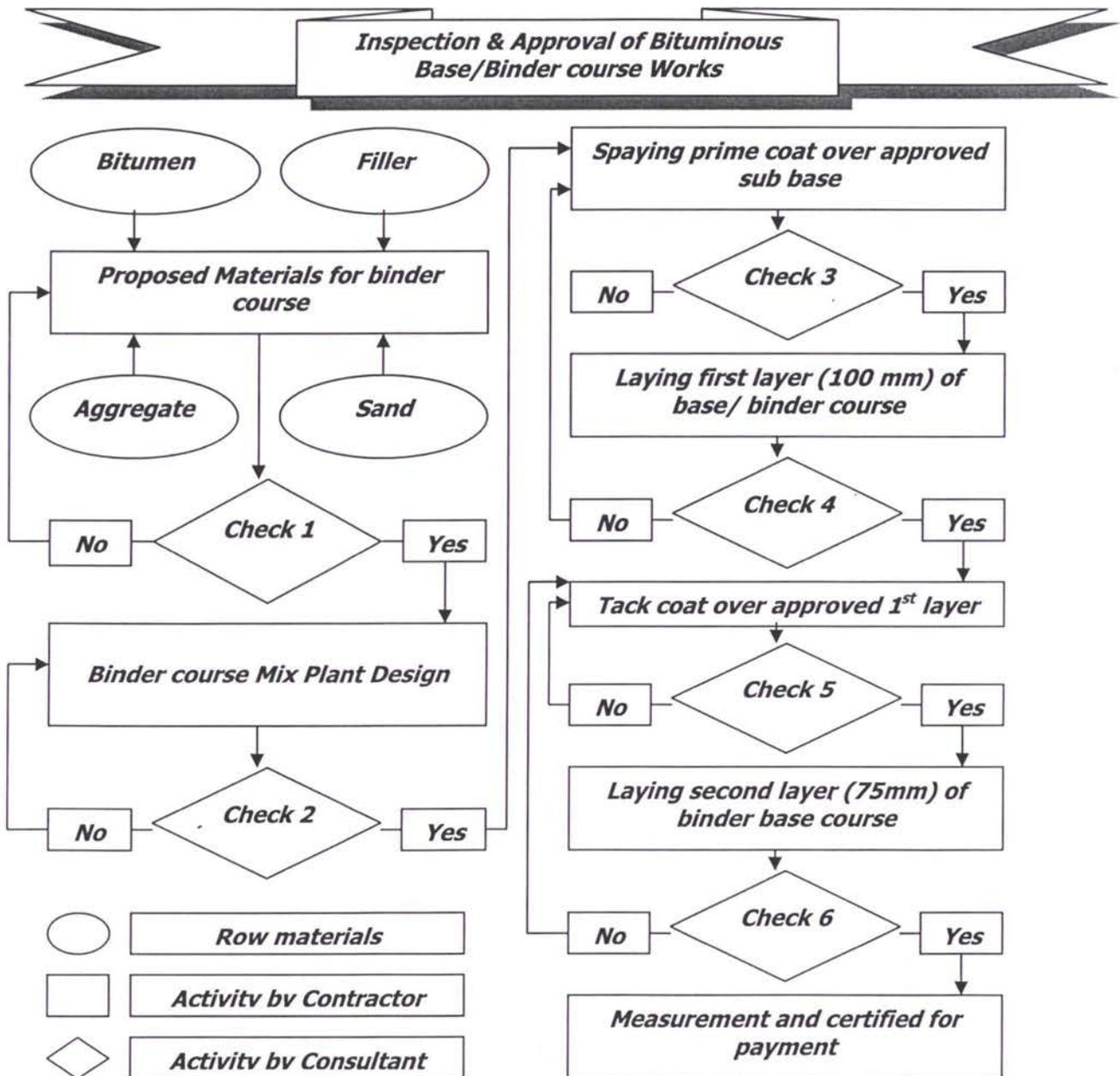
5. Check 5

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

6. Check 6

- Test crushing strength

3.2.3. For Asphalt Works – Bitumen base/binder

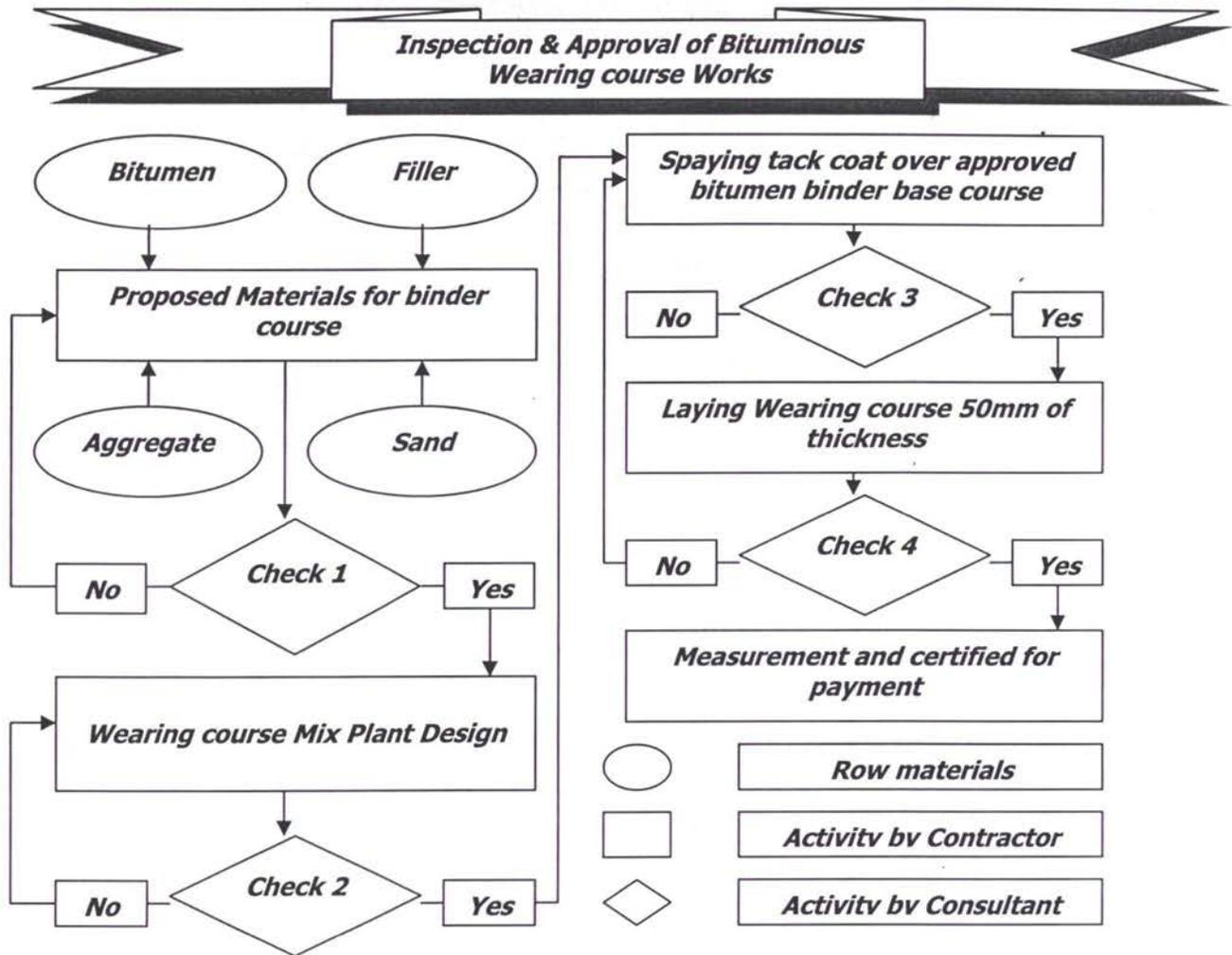


1. Check 1

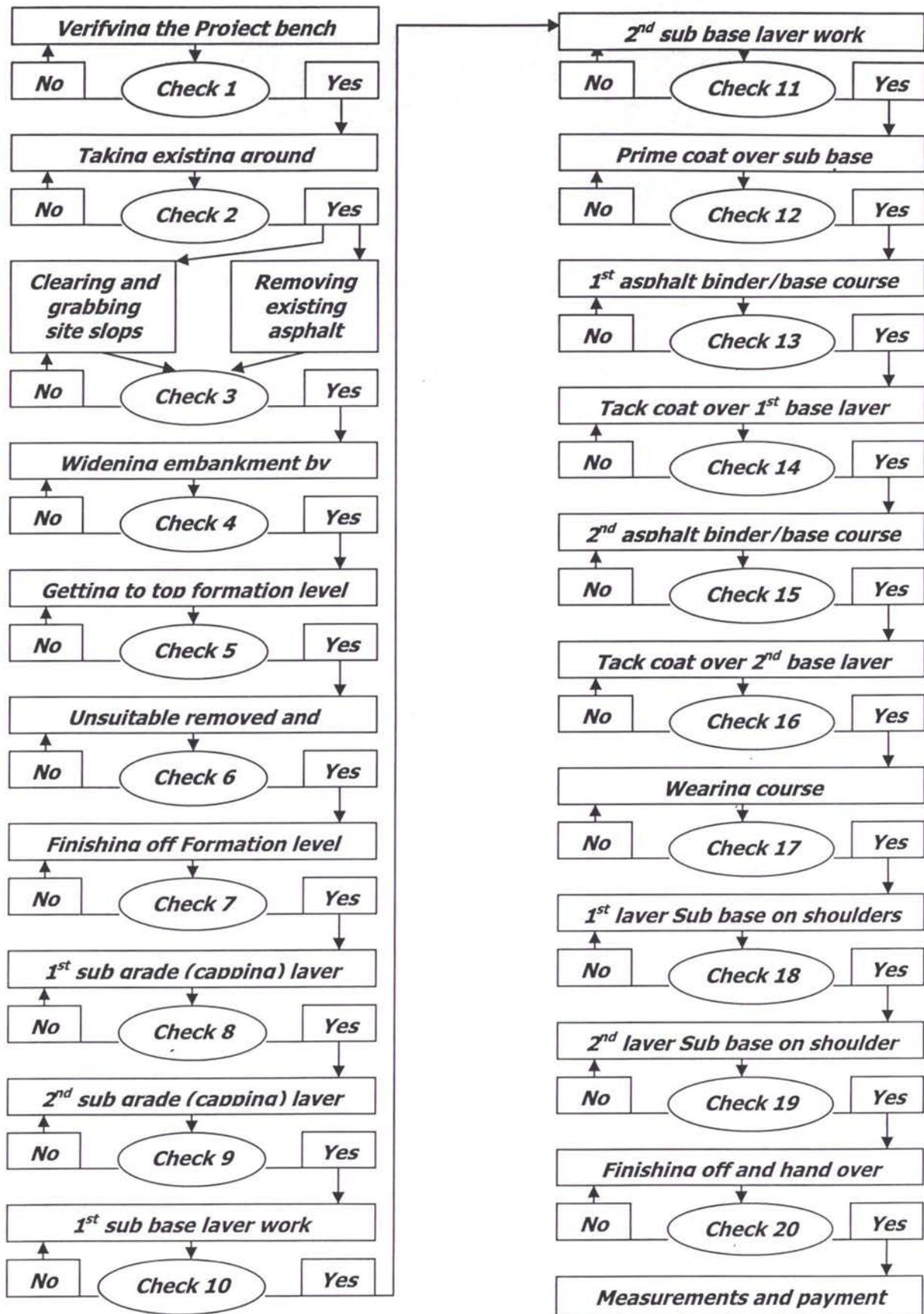
- Bitumen properties as per Technical specification
- Filler properties as per Technical specification

- 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 th 2003 | | | | |
| 2 | Jun 27 th 2003 | | | | |
| 3 | Jul 29 th 2003 | | | | |
| 4 | Aug 26 th 2003 | | | | |
| 5 | Sep 25 th 2003 | | | | |
| 6 | Oct 25 th 2003 | | | | |
| 7 | Nov 28 th 2003 | | | | |
| 8 | Jan 23 rd 2004 | | | | |
| 9 | Feb 23 rd 2004 | | | | |
| 10 | Mar 23 rd 2004 | 1 | Mar 26 th 2004 | 1 | Mar 26 th 2003 |
| 11 | Apr 27 th 2004 | 2 | Apr 28 th 2004 | 2 | Apr 28 th 2004 |
| 12 | May 25 th 2004 | 3 | May 27 th 2004 | 3 | May 27 th 2004 |
| 13 | Jun 23 rd 2004 | 4 | Jun 24 th 2004 | 4 | Jun 25 th 2004 |
| 14 | Jul 26 th 2004 | 5 | Jul 28 th 2004 | 5 | Jul 28 th 2004 |
| 15 | Aug 24 th 2004 | 6 | Aug 24 th 2004 | 6 | Aug 24 th 2004 |
| 16 | Sep 23 rd 2004 | 7 | Sep 24 th 2004 | 7 | Sep 24 th 2004 |
| 17 | Oct 28 th 2004 | 8 | Oct 29 th 2004 | 8 | Oct 29 th 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 are acceptable as a 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 | 177 | 4 |
| Contract CW 2003-1 & CW 2003-2 | 138 | 21 |
| Contract CW 2003-3 & CW 2003-4 | 110 | 18 |
| Contract for bridges | 84 | 0 |
| Summary | 509 | 43 |

Incoming letters from Client

| Contracts | Total to date | Total this month |
|--------------------------------|---------------|------------------|
| Contract CW 2002-1 | 47 | 5 |
| Contract CW 2003-1 & CW 2003-2 | 14 | 3 |
| Contract CW 2003-3 & CW 2003-4 | 12 | 2 |
| Contract for bridges | 0 | 0 |
| Summary | 73 | 10 |

Outgoing letters to Contractors

| Contracts | Total to date | Total this month |
|--------------------------------|---------------|------------------|
| Contract CW 2002-1 | 247 | 10 |
| Contract CW 2003-1 & CW 2003-2 | 171 | 16 |
| Contract CW 2003-3 & CW 2003-4 | 133 | 10 |
| Contract for bridges | 144 | 0 |
| Summary | 695 | 36 |

Outgoing letters to Client

| Contracts | Total to date | Total this month |
|--------------------------------|---------------|------------------|
| Contract CW 2002-1 | 119 | 3 |
| Contract CW 2003-1 & CW 2003-2 | 20 | 1 |
| Contract CW 2003-3 & CW 2003-4 | 22 | 1 |
| Contract for bridges | 0 | 0 |
| Summary | 161 | 5 |

3.4. Incoming request for inspections

Table 3

| | | | | | |
|---------------|------------------|-----------------|-----------------------|-----------------------|--------------|
| Month: | September | | | | |
| Year | 2004 | | | | |
| Day | Date | CW2002-1 | CW2003-1&2 | CW2003-3&4 | Total |
| Sat | 25 | 9 | 16 | 17 | 42 |
| Sun | 26 | 7 | 13 | 13 | 33 |
| Mon | 27 | 3 | 11 | 10 | 24 |
| Tue | 28 | 7 | 11 | 9 | 27 |
| Wed | 29 | 5 | 14 | 8 | 27 |
| Thu | 30 | 7 | 10 | 14 | 31 |
| Month: | October | | | | |
| Year | 2004 | | | | |
| Day | Date | CW2002-1 | CW2003-1&2 | CW2003-3&4 | Total |
| Fri | 1 | 9 | 19 | 7 | 35 |
| Sat | 2 | 9 | 12 | 11 | 32 |
| Sun | 3 | 3 | 15 | 8 | 26 |
| Mon | 4 | 0 | 11 | 10 | 21 |
| Tue | 5 | 1 | 6 | 15 | 22 |
| Wed | 6 | 9 | 15 | 10 | 34 |
| Thu | 7 | 13 | 18 | 12 | 43 |
| Fri | 8 | 7 | 8 | 14 | 29 |

| | | | | | |
|-----|----|-----|-----|-----|------|
| Sat | 9 | 7 | 15 | 17 | 39 |
| Sun | 10 | 11 | 10 | 17 | 38 |
| Mon | 11 | 10 | 16 | 11 | 37 |
| Tue | 12 | 8 | 14 | 17 | 39 |
| Wed | 13 | 5 | 19 | 9 | 33 |
| Thu | 14 | 0 | 8 | 0 | 8 |
| Fri | 15 | 0 | 1 | 11 | 12 |
| Sat | 16 | 0 | 3 | 3 | 6 |
| Sun | 17 | 1 | 8 | 11 | 20 |
| Mon | 18 | 3 | 12 | 12 | 27 |
| Tue | 19 | 11 | 23 | 12 | 46 |
| Wed | 20 | 15 | 16 | 18 | 49 |
| Thu | 21 | 14 | 20 | 26 | 60 |
| Fri | 22 | 10 | 5 | 21 | 36 |
| Sat | 23 | 6 | 14 | 25 | 45 |
| Sun | 24 | 21 | 13 | 15 | 49 |
| Mon | 25 | 3 | 21 | 27 | 51 |
| | | 214 | 397 | 410 | 1021 |

3.5. Daily Weather Records

3.5.1. For Contract 2002-1

Table 4

Month: **September**

Year: **2004**

| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
|-----|------|------|-------------------|-------------------|---------|
| Sat | 25 | 36C | Sunny | Work in progress | |
| Sun | 26 | 34C | Sunny | Work in progress | |
| Mon | 27 | 31C | Sunny | Work is not | |
| Tue | 28 | 32C | Sunny | Work in progress | |
| Wed | 29 | 38°C | Sunny | Work in progress | |
| Thu | 30 | 33C | Sunny | Work in progress | |

Month: **October**

Year: **2004**

| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
|-----|------|------|-------------------|-------------------|---------|
| Fri | 1 | 32 C | Sunny | Work in progress | |
| Sat | 2 | 35 C | Sunny | Work in progress | |
| Sun | 3 | 27 C | Rainy | Work is not | |
| Mon | 4 | 28 C | Sunny | Work in progress | |
| Tue | 5 | 28 C | Rainy | Work is not | |
| Wed | 6 | 25 C | Foggy | Work in progress | |
| Thu | 7 | 26 C | Foggy | Work in progress | |
| Fri | 8 | 29C | Foggy | Work in progress | |
| Sat | 9 | 29 C | Sunny | Work in progress | |
| Sun | 10 | 28 C | Sunny | Work in progress | |

| | | | | | |
|-----|----|------|-------|------------------|--|
| Mon | 11 | 29 C | Sunny | Work in progress | |
| Tue | 12 | 27 C | Sunny | Work in progress | |
| Wed | 13 | 28 C | Foggy | Work in progress | |
| Thu | 14 | 29C | Foggy | Work in progress | |
| Fri | 15 | 27C | Foggy | Work in progress | |
| Sat | 16 | 28 C | Sunny | Work in progress | |
| Sun | 17 | 27C | Foggy | Work in progress | |
| Mon | 18 | 30C | Sunny | Work in progress | |
| Tue | 19 | 29C | Sunny | Work in progress | |
| Wed | 20 | 26C | Sunny | Work in progress | |
| Thu | 21 | 28C | Sunny | Work in progress | |
| Fri | 22 | 31C | Sunny | Work in progress | |
| Sat | 23 | 29C | Sunny | Work in progress | |
| Sun | 24 | 30C | Sunny | Work in progress | |
| Mon | 25 | 25C | Foggy | Work in progress | |

3.5.2. For Contract 2003-1&2

Month: **September**

Year **2004**

| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
|-----|------|-------------------|-------------------|-------------------|---------|
| Sat | 25 | 43 ^o C | Sunny | Work in progress | |
| Sun | 26 | 31C | Sunny | Work in progress | |
| Mon | 27 | 34C | Sunny | Work in progress | |
| Tue | 28 | 35C | Sunny | Work in progress | |
| Wed | 29 | 34C | Sunny | Work in progress | |
| Thu | 30 | 33C | Sunny | Work in progress | |
| | | | | | |

Month: **October**

Year **2004**

| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
|-----|------|------|-------------------|-------------------|---------|
| Fri | 1 | 34 C | Sunny | Work in progress | |
| Sat | 2 | 32 C | Sunny | Work in progress | |
| Sun | 3 | 29 C | Sunny | Work in progress | |
| Mon | 4 | 25 C | Rainy | Work in progress | |
| Tue | 5 | 32 C | Sunny | Work in progress | |
| Wed | 6 | 25 C | Rainy | Work in progress | |
| Thu | 7 | 21C | Foggy | Work in progress | |
| Fri | 8 | 24C | Foggy | Work in progress | |
| Sat | 9 | 25C | Foggy | Work in progress | |
| Sun | 10 | 30 C | Sunny | Work in progress | |
| Mon | 11 | 30 C | Sunny | Work in progress | |
| Tue | 12 | 27C | Sunny | Work in progress | |
| Wed | 13 | 21 | Foggy | Work in progress | |
| Thu | 14 | 20C | Rainy | Work is not | |
| Fri | 15 | 22C | Foggy | Work in progress | |
| Sat | 16 | 25 C | Partly sunny | Work in progress | |
| Sun | 17 | 27 C | Sunny | Work in progress | |
| Mon | 18 | 26 C | Sunny | Work in progress | |

| | | | | |
|-----|----|------|-------|------------------|
| Tue | 19 | 23 C | Sunny | Work in progress |
| Wed | 20 | 21C | Sunny | Work in progress |
| Thu | 21 | 21C | Foggy | Work in progress |
| Fri | 22 | 20C | Foggy | Work in progress |
| Sat | 23 | 24C | Sunny | Work in progress |
| Sun | 24 | 23C | Sunny | Work in progress |
| Mon | 25 | 24C | Sunny | Work in progress |

3.5.3. For Contract 2003-3&4

| Month: September | | | | | |
|-------------------------|------|------|-------------------|-------------------|---------|
| Year 2004 | | | | | |
| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
| Sat | 25 | 31C | Sunny | Work in progress | |
| Sun | 26 | 30C | Sunny | Work in progress | |
| Mon | 27 | 30C | Sunny | Work in progress | |
| Tue | 28 | 30C | Sunny | Work in progress | |
| Wed | 29 | 31C | Sunny | Work in progress | |
| Thu | 30 | 29C | Sunny | Work in progress | |
| Month: October | | | | | |
| Year 2004 | | | | | |
| Day | Date | Temp | Weather Condition | Working Condition | Remarks |
| Fri | 1 | 31 C | Sunny | Work in progress | |
| Sat | 2 | 31 C | Sunny | Work in progress | |
| Sun | 3 | 28 C | Sunny | Work in progress | |
| Mon | 4 | 27 C | Sunny | Work in progress | |
| Tue | 5 | 15C | Rainy | Work is not | |
| Wed | 6 | 24C | Sunny | Work in progress | |
| Thu | 7 | 24C | Sunny | Work in progress | |
| Fri | 8 | 19C | Sunny | Work in progress | |
| Sat | 9 | 23C | Sunny | Work in progress | |
| Sun | 10 | 23 C | Sunny | Work in progress | |
| Mon | 11 | 23 C | Sunny | Work in progress | |
| Tue | 12 | 22 C | Sunny | Work in progress | |
| Wed | 13 | 15 C | Sunny | Work in progress | |
| Thu | 14 | 15 C | Rainy | Work is not | |
| Fri | 15 | 20 C | Sunny | Work in progress | |
| Sat | 16 | 20 C | Sunny | Work in progress | |
| Sun | 17 | 22 C | Sunny | Work in progress | |
| Mon | 18 | 22 C | Sunny | Work in progress | |
| Tue | 19 | 23C | Sunny | Work in progress | |
| Wed | 20 | 24C | Sunny | Work in progress | |
| Thu | 21 | 18C | Foggy | Work in progress | |
| Fri | 22 | 18C | Foggy | Work is not | |
| Sat | 23 | 18C | Foggy | Work in progress | |
| Sun | 24 | 22C | Sunny | Work in progress | |
| Mon | 25 | 23C | 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^{sd}, 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 Consortium | 0 | 0 |
| | CW2003-2 | | 0 | 0 |
| Km 430.8 to Gazakh | CW2003-3 | Autobahn Bau GMBH | 0 | 0 |
| | CW2003-4 | | 0 | 0 |

3.7.3. Traffic related accidents

Table 10

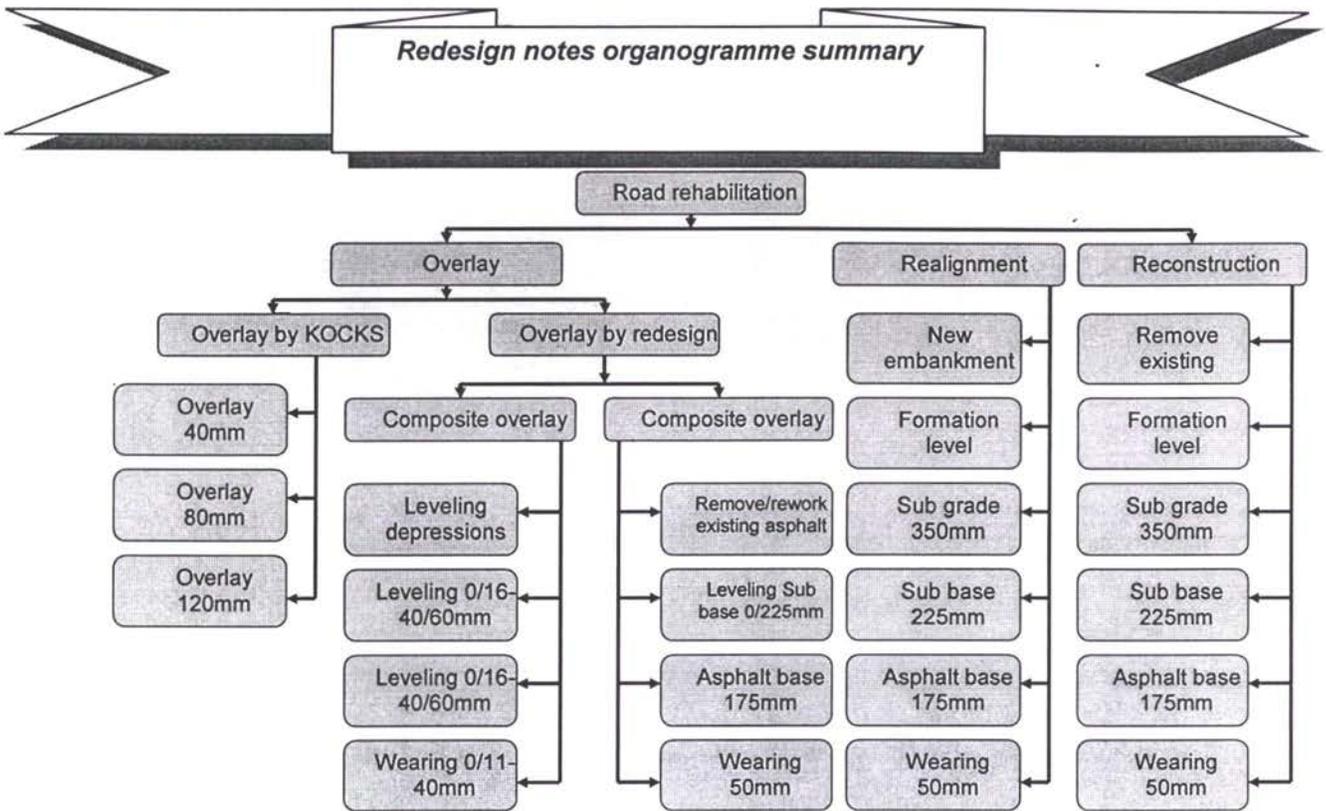
| Projects | Contracts | Contractor | Traffic accidents | |
|---------------------|-----------|---------------------------------|-------------------|---------|
| | | | This month | To date |
| Ganja-Shemkir | CW2002-1 | Turan Hazinedaroglu &Oztash | 0 | 0 |
| Shemkir to Km 430.8 | CW2003-1 | Azerkorpu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

3.8. Redesign notes applicable for Contracts CW2003-1 to 4

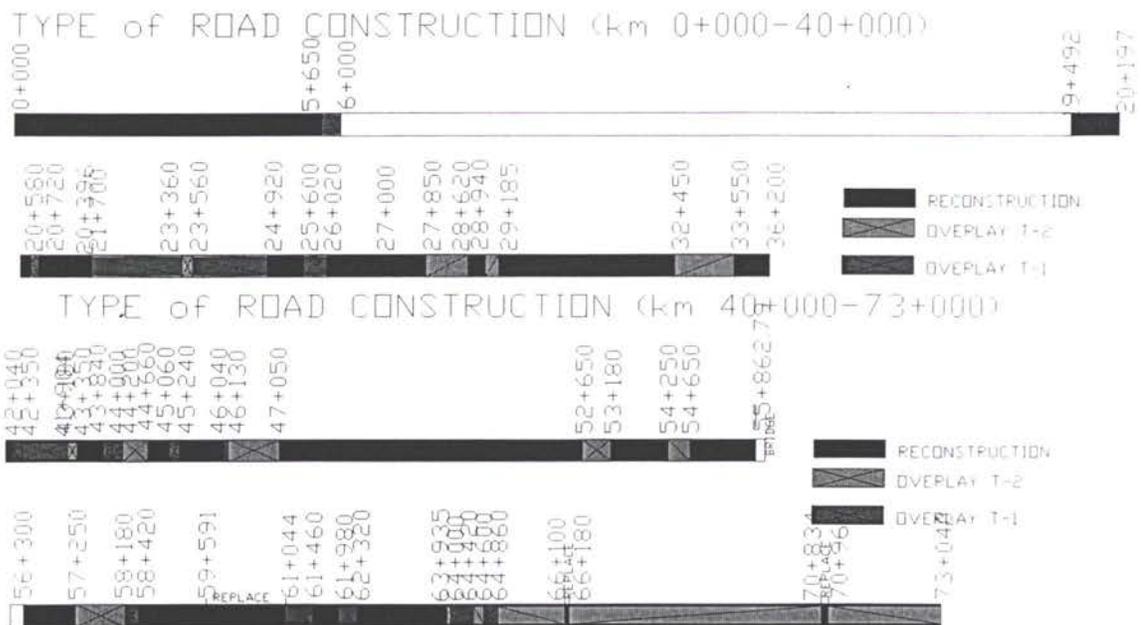
3.8.1. General notes

1. Original design calls for Overlay (40,80 and 120mm) and Reconstruction where ever indicated in the Contract drawings
2. Redesign conditions set by June 29, 2004 meeting are as follows:
 - The redesign must be prepared with diligent consideration and based on the conditions of Contract
 - The redesign volumes of Earth Works must be as close as possible and should not be more of the volumes of Works shown in the Project B&Q;
 - The redesign must provided quality Road with technical characteristic for the II type of Road and prime concern is to focus on the smooth riding quality surface;
 - The redesign is to incorporate the Project deflection analysis's done by KOKCS (Reconstructions section are to remain reconstruction and the Overlay sections are to be upgraded only after checking the possibilities to remain overlay);
 - Base on comparing the existing ground undulation and prescribed longitudinal gradient and cross fall (slope) from the Project documents for particular overlay section, designers are to propose upgrading (if required) suitable with the existing conditions and design technical parameters;
 - The redesign might keep where ever overlay is recommended by the project only when should be possible for Contractor to do the necessary corrections/leveling courses to the existing surface and should not in any way require the Contractor to copy the existing surface, the way the original design do.
3. The way the redesign has been done
 - a) First step is checking the possibilities for Overlay sections to remain as in the original design. Checking includes comparison between the existing ground elevation and Proposed by KOCKS longitudinal gradient for a particular overlay section. If the results show that min required thickness of Overlay (measured at the end of carriage way - 3.75 from the center line) been prescribed is obtainable and at the same time the proposed longitudinal gradient is the one prescribed into the Project document then this section is to remain Overlay. However for practical reasons wherever the length of such road section is less than 100m' and Contractor shall have technical difficulties to produced good quality of road then the section is to be upgraded simultaneously with the proposed by the redesign adjacent sections;
 - b) Then the second step - If particular section did not respond to the Conditions above the design is to recommend a solution;
 - c) Redesign introduced a Composite Overlay. The Composite Overlay represent two different types of modification on Overlay where the deflection test done are taken as fact non questionable and fundamental base and then designers concentrate on the improving the riding comfort and the way of not to copy existing surface but rather provide the Contractor with tools and means to leveled and improve the existing surface, which is not provided by the original design;
 - d) The first type of Composite Overlay introduced - provide and incorporate the Contractor with tools originally prescribed and described only with in the original Project for 80mm Overlay, which is leveling course – 0/16 thickness 40/60mm (please note that such an option is not available for 40 and 120mm overlay). The redesign checked the longitudinally and cross falls options whether the Contractor might with one leveling course fix up and compensate for the longitudinal undulation in plan and profile and whether the required cross fall can be achieved. If that is not possible then the redesign provide the Contractor with option to lay down second leveling course in order to get to required longitudinal and cross fall slopes. Then the remained wearing course 0/11 thickness of 50mm is to add strain to pavement and provide riding comfort and seal and waterproof the road surface;
 - e) The second type of Composite Overlay – is base on the fact that deflection test done by KOCKS shown that the road base is good and acceptable and then concentrates on getting good riding surface. For that purpose calls the Contractor to remove the existing asphalt, recycle the removed material and placed back as a Sub base layer in order to provide good smooth riding surface. Then follows by asphaltting base (binder 175mm and wearing course 50mm). This type is very similar to the reconstruction, but since there is not a need for capping layer (Sub grade) and work on formation level is considerably cheaper.

3.8.2. Organogramme



3.8.3. Type of Construction for different locations.



3.9. Summary estimate extra cost to Contracts CW2002-1 and CW2003-1 to 4

Table 11

| Summary of preliminary estimated extra cost to Contracts CW2002-1; CW2003-1&2 and CW2003-3&4 | | | | | | | | July 28, 2004 | |
|--|---|-------------------------------|-----------------------------|--------------------------------|------------------------------|--------------------------|---------------|-----------------------|--|
| Item | Contracts | Original Contract Price (AZM) | Revised at date Price (AZM) | Expected to date Savings (AZM) | Expected to date Extra (AZM) | Discount % | % | Expected Extra (U\$) | |
| 1 | CW2002-1 | 29,903,403,179.00 | 29,755,540,898.94 | 0.00 | | | | 1\$ = 4891 | |
| 1.1 | Final measurements to date (+) estimates for remaining Works | | | | 3,134,143,195.61 | | 10.53% | \$640,798.04 | |
| 1.2 | Few Contractor's proposals for improving quality of end product if accepted by Client | | | | | | | | |
| 1.2.1 | Seangle seal to shoulder - to improve on waterproofing | | | | 440,190,000.00 | | 1.48% | \$90,000.00 | |
| 1.2.2 | Pavement on approach roads to in and out of petrol station | | | | 293,460,000.00 | | 0.99% | \$60,000.00 | |
| 1.2.3 | Drainage in front of petrol station | | | | 122,275,000.00 | | 0.41% | \$25,000.00 | |
| 1.2.4 | Site drain collectors on high embakment to take the rain waters | | | | 293,460,000.00 | | 0.99% | \$60,000.00 | |
| | Subtotal on extra and final for Project | | | | 4,283,528,195.61 | | 14.40% | \$875,798.04 | |
| 2 | CW2003-1&2 | 60,082,264,241.00 | 60,214,171,978.85 | 3,009,034,085.10 | | | | 1\$ = 4912 | |
| 2.1 | Design errors = underestimated volumes of Work in B&Q | | | | 4,143,089,493.00 | 4,039,512,255.68 | 6.88% | \$843,462.84 | |
| 2.2 | Design errors = extra existing culverts | | | | 1,115,376,655.00 | 1,087,492,238.63 | 1.85% | \$227,071.79 | |
| 2.3 | Design errors = overlay to composite overlay | | | | 10,940,986,361.70 | 10,667,461,702.66 | 18.17% | \$2,227,399.50 | |
| 2.4 | Collapse of Bridge 39 | | | | 4,676,215,995.00 | 4,442,405,195.25 | 7.77% | \$951,998.37 | |
| 2.5 | Design errors = Client request for extra work on Bridge 42 | | | | 2,701,600,000.00 | 2,566,520,000.00 | 4.49% | \$550,000.00 | |
| 2.6 | Extra over for unexpected miscellaneous during construction | | | | 2,456,000,000.00 | 2,456,000,000.00 | 4.08% | \$500,000.00 | |
| 2.a | Subtotal on extra cost only | | | | 26,033,268,504.70 | 25,259,391,392.21 | 43.23% | \$5,299,932.51 | |
| 2.b | Subtotal extra cost as final for Project | | | | 23,024,234,419.60 | 22,250,357,307.11 | 38.24% | \$4,687,344.14 | |
| 3 | CW2003-3&4 | 45,937,384,407.14 | 45,937,384,407.14 | 2,102,612,533.86 | | | | 1\$ = 4912 | |
| 3.1 | Design errors = underestimated volumes of Work in B&Q | | | | 448,819,100.00 | N/A | 0.98% | \$91,371.97 | |
| 3.2 | Design errors = extra existing culverts | | | | 1,332,468,328.00 | N/A | 2.90% | \$271,267.98 | |
| 3.3 | Design errors = overlay to composite overlay | | | | 6,410,121,472.06 | N/A | 13.95% | \$1,304,992.16 | |
| 3.4 | Extra over for unexpected miscellaneous during construction | | | | 3,974,622,052.00 | N/A | 8.65% | \$809,165.73 | |
| 3.a | Subtotal on extra cost only | | | | 12,166,030,952.06 | N/A | 26.48% | \$2,476,797.83 | |
| 3.b | Subtotal extra cost as final for Project | | | | 10,063,418,418.20 | N/A | 21.91% | \$2,048,741.53 | |
| 4 | Total | 135,923,051,827.14 | 135,907,097,284.93 | 5,111,646,618.96 | 42,482,827,652.37 | 41,708,950,539.88 | 31.26% | \$8,652,528.38 | |
| 4.1 | Total as final | | | | 37,371,181,033.41 | 36,597,303,920.92 | 27.50% | \$7,611,883.71 | |
| Notes | VO2 for CW2002-1 is AZM147,862,280.86 | | | | | | | 26.93% | |
| | VO1 for CW2003-1&2 is AZM131,907,737.85 | | | | | | | | |

3.10. Guest visiting the Projects

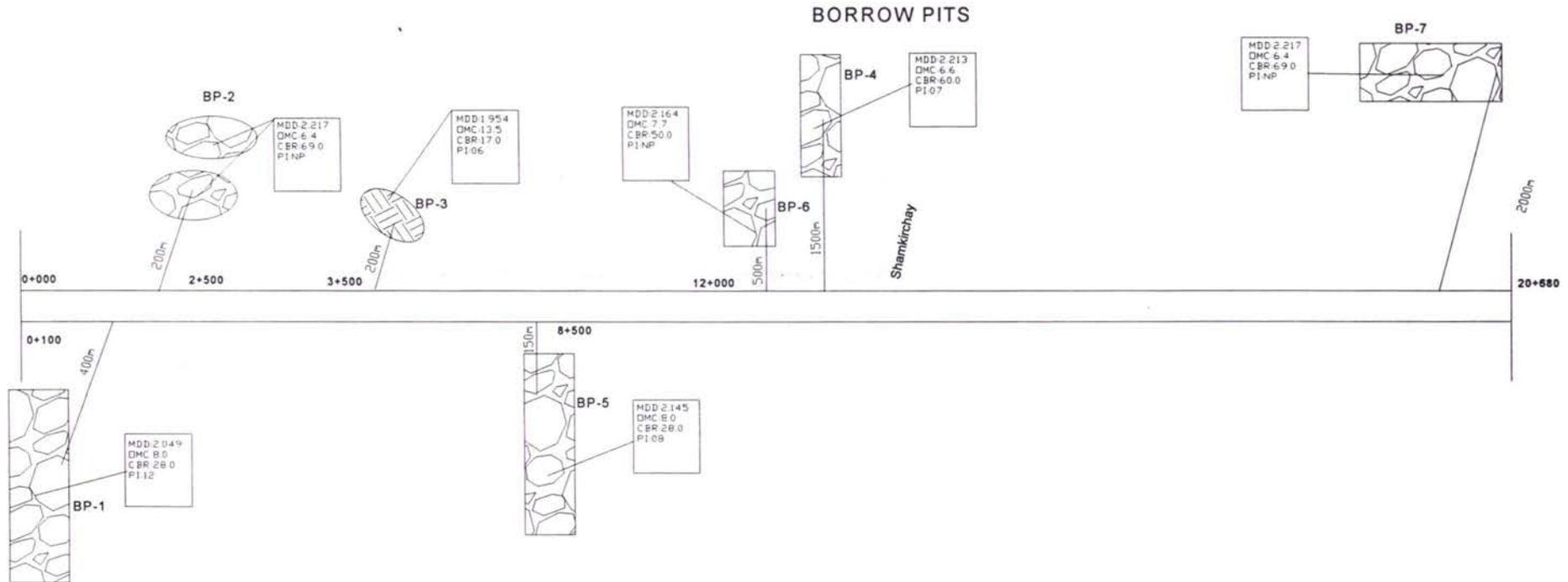
Table 12

| Name | Position | Date of the Visit |
|------------------|---|------------------------------|
| Magerram Asadov | Chief Expert of the Department | 5 th October 2004 |
| Gasimov Nazim | Head of the Teach. Office of the Department | 5 th October 2004 |
| Adil Gojayev | PIU director | 5 th October 2004 |
| Gazanfar Safarov | PIU Procurement Specialist | 5 th October 2004 |
| Vagif Hajiyev | The Chief of the MD of the Department | 5 th October 2004 |
| Effendi Ismiyev | President of "Azerkorpu" Company | 5 th October 2004 |
| Kamil Aliyev | Technical Director of Azwirt Company | 5 th October 2004 |

Attachments

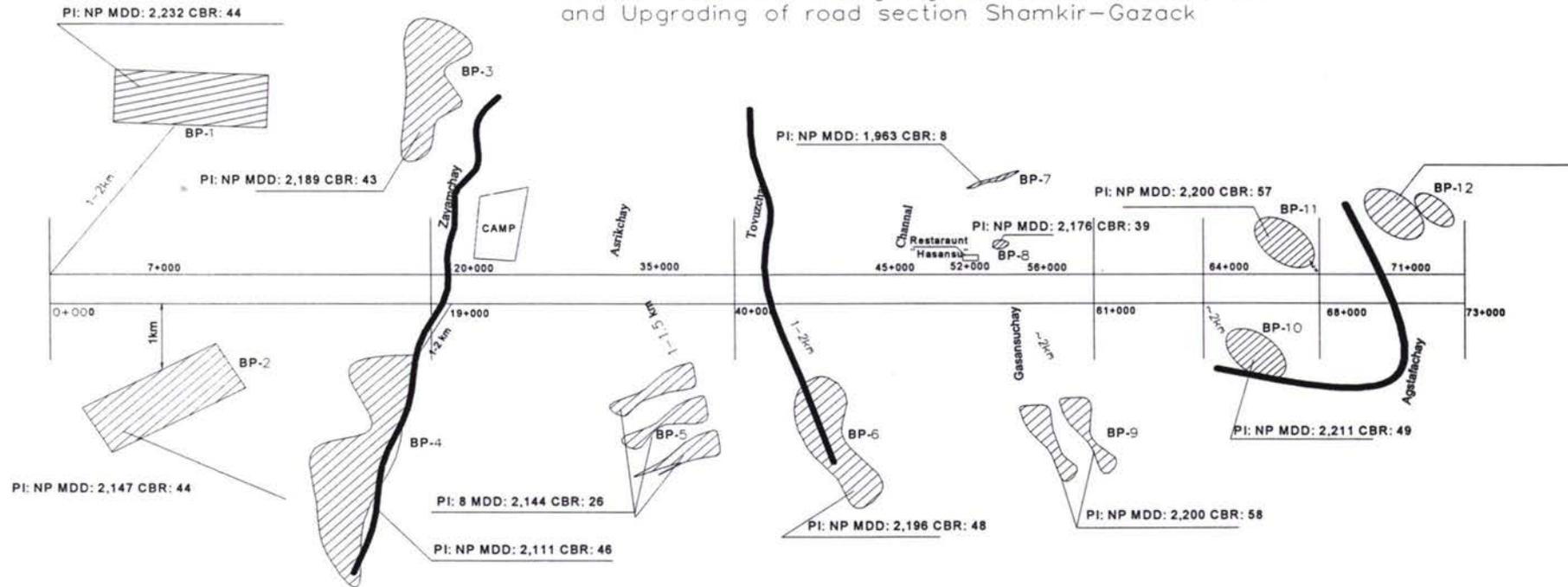


"REHABILITATION AND UPGRADING OF GANDJA-SHAMKIR ROAD SECTION"



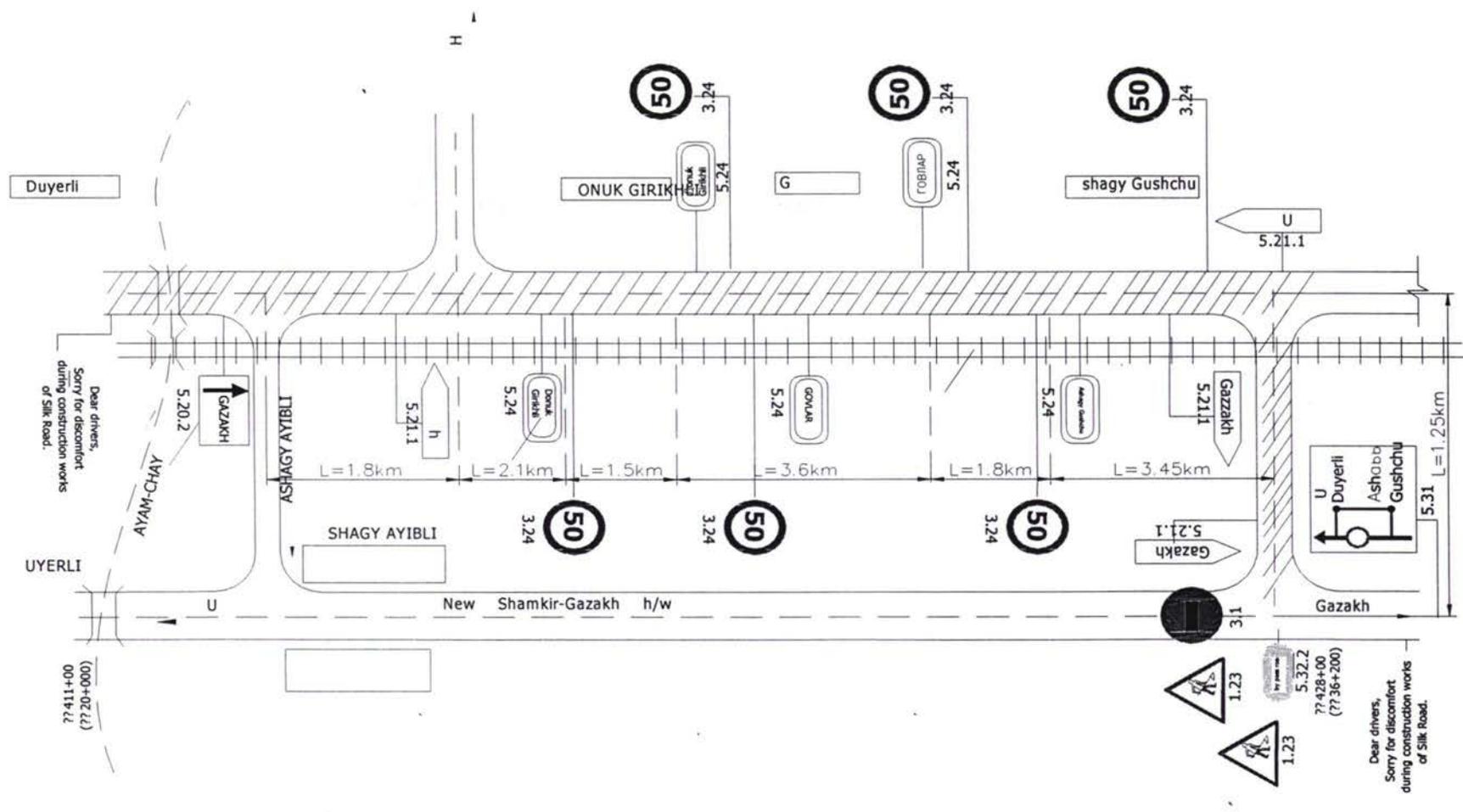
Contract CW2002-1 Borrow pits

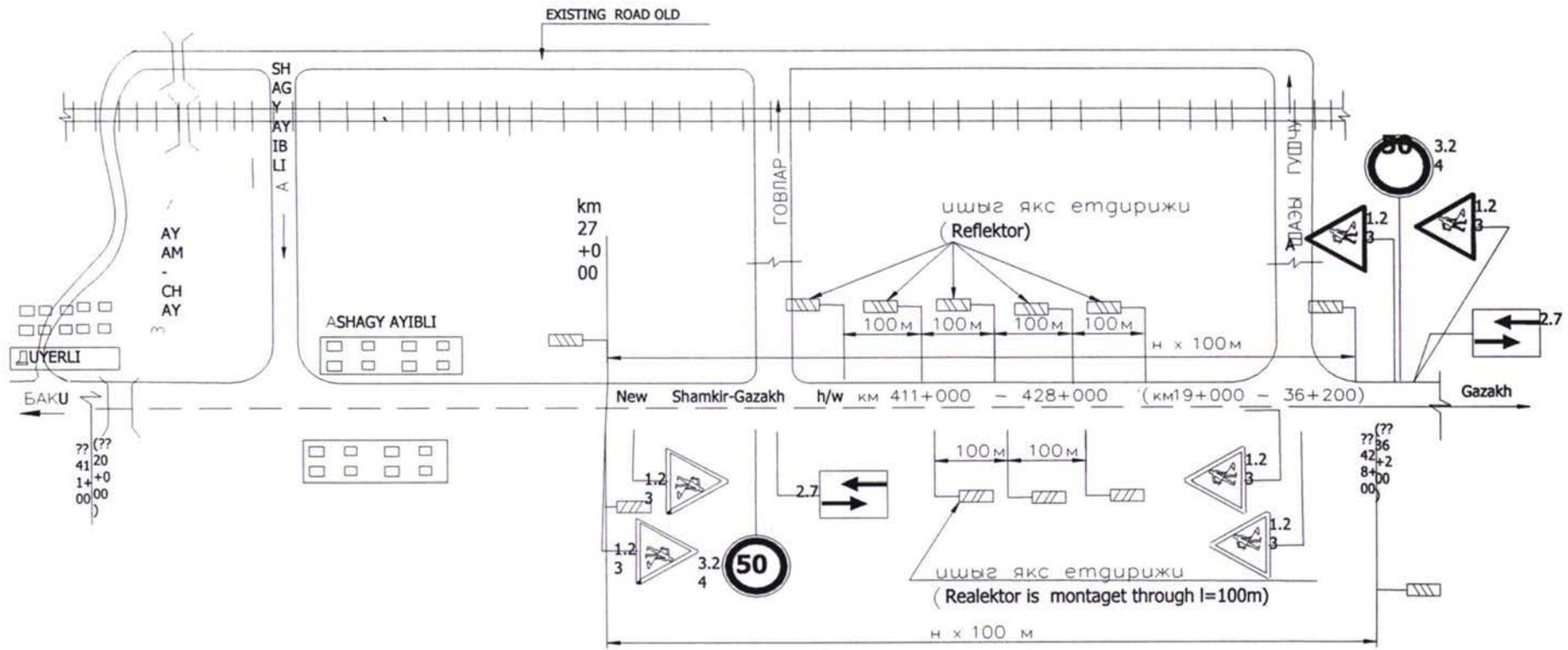
Borrow Pits, witch are going to use for Rehabilitation and Upgrading of road section Shamkir–Gazack



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

Published November 2004

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