



TACIS Regional 2003 TRACECA Programme

Rehabilitation of Caucasian Highways Azerbaijan

*Segment 2 for Project Component II: Construction Supervision of
Ganja to Gasakh Highway and*

*Segment 4 of the Project Component II: Technical Supervision of the
TACIS Project-“Construction of two bridges: Gasan Su and Shemkir
Chay Bridges”*

Azerbaijan Quarterly Progress Report № 2

October – December 2003-QPR/№2/2003AZ



This project is funded by
The European Union



A project implemented by
Louis Berger SA Paris France

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**Rehabilitation of Caucasian Highways
Azerbaijan Georgia and Armenia**

EUROPEAID/113179/C/SV/MULTI



This Project is funded by the European Union

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December 26, 2003

Subject: Quarterly progress Report 2 for
October – December 2003 –
QPR/2/2003AZ

Attention Mr. B Rossig

Dear Sirs,

With reference to above matter please find attached the Quarterly Progress Report for October – December 2003 period of time for your attention and consideration

Yours Sincerely

S I Dotchev
Resident Engineer

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Author – Project Manager’s Representative (RE) – S I Dotchev Pr.Eng.– segment manager for project segments 2 and 4 on construction supervision of Ganja Gazakh Road and two bridges under the TACIS project

B.2.2.3. Segment 2 for Project Component II: Construction supervision of the Ganja - Gazakh Road (World Bank Financed)

Part 1. - Contract CW – 2002-1 - Rehabilitation and upgrading of Ganja – Shemkir Road Section

General information

This section of the Project covers the supervision of the Rehabilitation and Upgrading of the Ganja-Shamkir 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 Finroad 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 Azeravtoyol controls the project on behalf of the Employer. A list of the Key Personal is presented below.

Funding Agent	International Development Association The World Bank 1818 H Street, NW Washington, DC 20433, USA
Mr. Antti P. Talvitie	Senior Transport Specialist Infrastructure and Energy Service Department Europe and Central Asia Region
Employer	Azerbaijan Republic Ministry of Transport “Yolnegliyatservis” Department. Address: Prospect Tbilisi 10/54 The ministry of Transport Tel: 99412 930192 Fax:99412 315655
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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

R Degheim
S I Dotchev

Contractor

T Uslu

Murcure III
55Bis Quai de Grenelle
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Team Leader - Project Manager
Project Manager's Representative, Resident
Engineer
Turan Hazinedaroglu Joint Venture

Project Manager

Project Data

Works Contract CW 2002-1	
Works Tender Opened	14 th May 2002
Contract Awarded Article 33.2	30 th December 2002 by IDA
Letter of Acceptance Issued 33.1	24 th March 2003
Contract Agreement Signed Article 33.3	April 9, 2003
Tender Amount	28,749,462,180.50 AZM
Contract Amount Article 15.3	29,903,403,179.00 AZM
Contract Start Date	21 st April 2003
Original Contract Completion Date	21 st July 2004
Extended Completion Date	21 st October 2004
Works Programme received	18 th April 2003
Last revision of Works programme	30 th April 2003
Value of Works to date as per IPCs	6,172,500,914.00 AZM
Value of Works to date (%)	21 %
Variations	Extension of 3 months with no cost to the Project letter – PS277/P83/03/220/RD/fd Nov 24, 2003
Advance Payment Received	5,980,680,936.00 AZM
Repayments made	0%
Delays	Tree months
Claims	No new claims to date
Time elapsed to date	255 days
Time remaining to date	295 days

Status of the Contract

Since start (April 21, 2003) the Contractor have been on site 255 days or 46.4% of the Contractual time and to date are remaining 295 days or 53.6% of the Contractual time to the extended Completion date (October 21, 2004)

Part 2. – Lot № 2. Contracts CW 2003-1 to CW 2003-4 Rehabilitation and upgrading of Shamkir – Gazakh Road sections

Tender has been open and prospective Contractors invited for bidding on September 2, 2003. The Contractors submitted their bidding on October 16, 2003 and the tenders been evaluated by PIU members and evaluation report sent to World Bank (December 9, 2003).

Task series 2200

NOTE: The Information provided hereunder include segment insets of information under each task concerning the Technical Supervision of the TACIS Project (Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan) as well as. That information we believe is viable for the current status of our Service Contract and this Project, but however is not required to be reported under the item B.2.2.5. Segment 4 of the Project Component II

Task 2201: Mobilization of Supervision Team

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

To date the following Consultant site office staff has been mobilized:

Project Manager's Representative	S I Dotchev
Assistant Resident Engineer (Bridge)	K Mamedov
Quantity Surveyor	T Orujov
Material Engineer	M Valiyev
Surveyor	J Hasanov
Foundation Engineer	s Safarov
Office Manager	L Tadjetdinova
Translator	M V Shukurova

The Mobilization of Consultant Supervision Team completed at 100%

Contract CW – 2002-1 - Rehabilitation and upgrading of Ganja – Shemkir Road Section

To date the following Consultant site office staff has been mobilized:

Project Manager's Representative	S I Dotchev
Assistant Resident Engineer (Highway)	G Mehtiyev
Quantity Surveyor	T Orujev
Foundation Engineer	S Safarov
Structural Engineer	A Hajiyev
Surveyor	J Hasanov
Material Engineer	M Valiyev
Office Manager	L Tadjetdinova
Translator	M Shukurova

The Mobilization of Consultant Supervision Team completed at 90%. Second surveyor shall be employed as soon as the second lot Contracts (CW2003-1 to CW2003-4) started.

Task 2202: Pre-Construction Advisory Service

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Assistance has been rendered and as a result the Contract starting date has been fixed up, required insurance policies have been obtained and on our request and advice (after the contract extended), we have been furnished with Contractor's copy of Performance and Advance payments bonds guarantee on time. The Works progress shall be monitored closely and towards the end of the contract if required the Contractor shall be asked in due time to extend his Performance Guarantee.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

- i) Notice of commencement – Assistance has been rendered accordingly with the letter of acceptance to tender given on March 24, 2003 and the PIU have been advised on the Contract price in accordance with the Clause 15.3 – instructions to Bidders of the Bidding Documents. Further letter to start the Works (April 21, 2003) have been issued in accordance with the item 1.1 – Section V. Contract Data
- ii) Insurance – First submitted Insurance by the Contractor have been rejected on base on insufficient insurance cover have been obtained and the Contractor have been instructed and they submit new Insurance where the requirements of item 13.0 - Section V. Contract Data have been met. Only after that the Insurance have been accepted. After the Contract completion date has been extended the Contractor has been requested to extend his insurance policies to cover up the extended period of performance. His submission is expected any time soon.
- iii) The performance and advance payments bonds have been reviewed and PIU have been advised accordingly. After the Contract completion date has been extended the Contractor has been requested to review and extend his performance and advance payment bonds guarantee if required.
- iv) Possession of Site – Possession of site have been given to the Contractor on April 20, 2003 on a jointly site meeting where three parties (PIU, Contractor and Consultant) have been present. At the time the Contractor checked the original design and ground existing data and recorded discrepancies with in the coordination system and vertical elevations and request evaluation to be made before they proceed further. Evaluation has been made and Client (Azeravtoyol) been advised accordingly that due to discrepancies between the existing ground and original design elevations - longitudinal redesign shall be required
- v) Longitudinal redesign – required due to discrepancies of the original design surveyor's coordinate system and elevations. The Client has been advised accordingly and redesigns produced and partially approved to date to km 5+000. The remaining sections to km 20+740 are at Client's disposal for consideration and approval.
- vi) Further assistance has been rendered on existing drain structures (culverts) Comprehensive study has been complete on the existing culverts structures and found that 22 of the existing culvert units did required replacement in order to serve the duration of the design period. Client has been advised timely and accordingly. After the help of the World Bank representative during his site visit November 2003 the Client's approval has been received and the works started.
- vii) Pavement design evaluation has been done by expatriate expert from Jacobs – Dr. M E Heelis and his advice and comments report (August 2003) forwarded to Client's attention and consideration.

- viii) Others (review Contractor's designs amendments, working drawings and etc) – Ongoing assistance in accordance with requirements set with Task 2002 from the Technical Proposal

Task 2203: Administer the contracts as the “Engineer”

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
Project Engineer as defined in the Conditions of the Contract delegated his power to the Project Manager's Representative (RE) on March 10, 2003. The project Manager's Representative (Resident Engineer) duly issue a letter to the Contractor for delegating a duty to his site staff in accordance article 5 of the General Condition of Contract.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Project Engineer as defined in the Conditions of the Contract delegated his power to the Project Manager's Representative (RE) on April 1, 2003. The project Manager's Representative (Resident Engineer) duly issue a letter to the Contractor for delegating a duty to his site staff in accordance item 5 of the Condition of Contract.

Task 2204: Immediate Post – Mobilization Tasks

2204.1. Staff organization chart

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
On our advice and requirements in order to improve on quality of Works produced the Contractor has replaced the Site Agent at Shemkir Chay Bridge site (October 21, 2003)

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
The Contractor's revised Work Programme and staff organization chart have been received April 30, 2003 and reviewed. Since Mr. T Aksut left the company, the contractor submit new organization chart including the newly appointed Contractor's Project Manager – Mr. T Uslu

2204.2. Inspection of equipment and proposed materials

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

- i) Materials for concrete – The Contractor's materials for concrete Works are inspected visually on delivery and found good for concrete.
- ii) Concrete job mix – The Contractor's proposed four concrete job mixes have been approved and presently used successfully during execution of Works
- iii) Materials to be purchase - The Contractor have been instructed to supply factory certificates for whole lot of materials purchased and incorporated into the Works. To date such certificates are submitted.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

- i) Concrete job mix - At the start of the project the Contractor has been asked and they produced the required as per the Contract Specification Concrete job mix. The job mix has been reviewed and trial mixes produced. The job mixes have been approved.
- ii) Plants - Contractor's crusher and asphalt plants has been visually inspected at work at their present location (Alyat-Hajji-Mohamed) project. Contractor is completed this Project by end December 2003 and Contractor assured us that

the plants will be moved and re-assemble on Shemkir site by end of January 2004. However completely new base plant have been purchase and presently is on site.

- iii) Road building Machinery - Paving machines, earthwork equipment (graders, Rollers etc) have been visually inspected at (Alyat-Hajji-Mohamed) project and the Contractor mobilized and move them to Shemkir site whenever the needs occurs.
- iv) Laboratory equipment - The Contractor have fully working operational earthworks and concrete works laboratories on site. Asphalt laboratory at Alyat-Hajji-Mohamed project is to be transfer to site by the end of January 2004.
- v) Materials to be purchased - The Contractor have been instructed to supply with required as per the project Specification certificates for whole lot of materials purchased and incorporated into the Works. Such certificates are submitted timely.

2204.3. Inspection and Approval of the Contractor's Bonds, Guarantees and Insurance Policies

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
Work have been done – see Task 2202 above

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Work have been done – see Task 2202 above

2204.4. Establish Base indices for Variation of Price

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
No variation of Price to date

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
No variation of Price to date

2204.5. Issue the Order to Commence Works to the Contractors

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
Work done

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Work have been done – see Task 2202 above

2204.6. Authorize Sub – Contracting Parts of the Works

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
No official request has been submitted to date.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Under letter 23 dated July 2, 2003 the Contractor have submit “Gence Kopru Tikinti -2 ASC” subcontractor for consideration and approval. The subcontractor documents have been review and approval granted with our letter 43 dated July 4, 2003. No further correspondence has been received.

2204.7. Ambiguities / Discrepancies

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

During the design review of the bridge and the road design became evident that the original design calls for longitudinal centre line of Gasan Su Chay Bridge to be at lower elevation than the proposed Rehabilitated Road Section longitudinal centre line at this chainage. The Client authorities have been informed and advised in time and decision has been taken. The Contractor instructed to redesign and lift the Bridge deck (more than 2.8 m) in line with the Road longitudinal profile. Further ongoing review and assistance are given whenever required.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

- i) Coordinates and elevations – During our design review became evident that in the original design there were discrepancies with the coordinates and vertical elevations. The Client (Azeravtoyol) received our full report and after few negotiating meetings have instructed us (June 19, 2003) that the correction to the original design shall be done accordingly and shop drawings to be produced by the Contractor under project Manager's representative direct supervision. Consequently after that Azeravtoyol has been abolished. However the same instruction has been received by the newly appointed Client (MoT letter July 14, 2003). The requested redesign has been produced and partially approved to km 5+000. The remaining sections are still within the Client (MoT) and waiting for approval.
- ii) Existing culverts structures – Our design review did show that the existing culverts are in an extremely poor state. Thereafter comprehensive study has been conducted by our site staff and the results as follows:
 - a) Out of 64 culverts under consideration in this project 9 (or 14%) are new proposed structures
 - b) 5 (or 9%) of existing culverts are completely blocked and not operational
 - c) 30 (or 55%) of existing culverts are used at present as an irrigation water supply for the felts adjacent to the Road. However those structures in the original design are not to be uplifted to standards applicable for irrigations structures but rather to be rehabilitated as normal storm water culverts.
 - d) The original design calls for replacement of only 4 culverts only
 - e) General poor state of the existing culverts structures have been noted and as a results replacement for the whole or a part of individual structure have been recommended at 22 locations. Full report with comments and advice to the Client attention has been send - our letter 3 dated June 2003

The Client's approval has been graded (letter 424/02YNS, November 7, 2003) and presently the Contractor proceeds with the works (replacement of part or a whole culverts structure where ever required as per approved schedule of extra works).

Task 2205: Construction Supervision Manual

The Project Manager's Representative bases on his own experience on other projects World wide introduce few standard practices and procedures to be used by the Supervisory Team as follows:

- i) Responsibilities and authorities of each member of the Supervision Team
- ii) The Work Breakdown Structure
- iii) Correspondence Coding System
- iv) Formats for reports
- v) Meeting procedures
- vi) Procedures for issuing instructions to the Contractor
- vii) Record keeping requirements, including site diaries
- viii) Procedure for inspecting and approving work
- ix) Payment procedures
- x) Reporting requirements and formats

Task 2206: Document Control System

The Document control system has been develop on site and fully operational

Task 2207: Design review by the Construction Supervision Team

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. To date Contractor made few redesigns submissions as follows:

- i) First design submission – The contractor submit for approval redesign where the Shemkir Chay Bridge have been extended from 66.6 m (3 spans by 22.2m) to 90 m (5 spans by 18 m) or 35% more from the original length. However at Gasan Su Chay Bridge due to discrepancies longitudinally between the Road Project and the Bridge project, the bridge deck has been lifted to accommodate the rehabilitated road section and change from original design of (12 x 18 x 12) to (3 spans by 18m) has been done. The submission was rejected by the Client on the ground that the new redesign changes the Project completely (from pre - stress to ordinary reinforced beams) and thereafter the tender rules would not be applicable any longer. The Client, taking into account our advice instruct new redesign to be submitted, (due to the luck of local pre-stress technology and know how into the country) - normal reinforce concrete bridges where Shemkir Chay Bridge spans scheme remains unchanged and Gasan Su Chay bridge to be lifted to accommodate the Rehabilitated and upgraded Road design section.
- ii) Second Submission – Base on Client instructions the Contractor submit his last redesign at June 18, 2003. The design has been review and approved.
- iii) Third submission – During the review and approval of the redesign the Contractor propose to substitute the intermediate foundations supports at Shemkir Chay Bridge with a piles foundation platform (due to strong underground waters at the time). The proposal has been review and approved
- iv) Fourth submission – Consequently during the execution of works become apparent that the drawing specified concrete strength for the abutment foundations is several times more that the required under normal circumstances concrete strength for such applications. The proposal has been review and approved (please see Mr. J Rigby)
- v) Fifth submission – During execution of Works at Gasan Su Chay Bridge be come apparent that the existing piles are not suitable to be used. Thereafter the Contractor proposed new cast in situ reinforcement piles. The submission has been review and approved (see Mr. J Rigby report October 1, 2003)

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task.

- i) The design surveyor data - The original surveyor design data have been review and serious discrepancies have been recorded. More info has been supply already at task 2204.7(i) as above.
- ii) Existing Culverts - The existing drainage structures have been review (more info at task 2204.7(ii))

Contract CW – 2003 – 1 to CW – 2003 – 4 – Rehabilitation and upgrading of Shemkir – Gazakh Road Section

The Tender documents review has been completed and the Client furnish with our conclusions under item VI of our Review of tender documents report August 2003.

Task 2208: Monitor Survey and Setting – out of the Works

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. The original design bench marks have been checked and corrections were necessary. New Bench Marks have been produced and are in place.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. The design bench marks have been checked and serious discrepancies have been established (our letters 4 dated June 9, 2003 and 5 dated June 19, 2003). New Bench Marks were produced and are allocated along the existing Road.

Task 2209: Review of Contractor's quality Assurance plan

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Despite our monthly reminders and several letters on the issue since start of the Project, to date the Contractor did not submit his quality assurance plan yet.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

The Contractor furnished us with his quality assurance plan end of November 22, 2003. The submission is under study and approval pending.

Task 2210: Design and Specification Changes

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

The original design has been change from pre-stressed reinforce concrete beams bridge deck to normal reinforce concrete beams bridge deck due to luck of such technology and know-how into the Country available. The need of those changes has been identify on time and report with advice to Client (EU Representative). The changes have been approved by the Client representative (May 19, 2003)

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

The Contractor furnish with his redesign proposal (November 24, 2003) on the only one new bridge structure along the road section (single reinforced concrete slab 15x15x0.9). They proposed to build with the available in the country local standards technology know-how and practice - "T" reinforced concrete beams bridge deck.

Task 2211: Meetings and Records

Ongoing task.

- i) Short information exchange, intense/effective Meetings with Team Leader whenever RE is visiting Baku
- ii) Short information exchange and Contract advise, intense/effective Meetings with the representatives from PIU whenever RE is visiting Baku or PIU members are visiting construction site.
- iii) Daily and Weekly intermediate meetings with the Contractor's representatives are conducted as required.
- iv) Monthly Progress Meetings are compulsory conducted at the end of each month.
- v) Meetings with the funding agency – (representative of World Bank, and EU representative) whenever those representative visiting the site as follows:
 - EU representative site visit October 15, 2003
 - World Bank representative site visit November 5, 2003

Task 2212: Site Diaries

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. Construction events are recorded daily onto the daily site register.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. Construction events are recorded daily onto the daily site register

Task 2213: Project Cost Control – Measurement and Monthly Payment Certificates

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. To date two IPCs have been produced by Contractor. The certified quantity has been confirmed against the Works done and the Bill of Quantity and represents the value of the actual Works completed by the Contractor to date of a particular IPC has been issued

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. To date five IPCs have been produced by Contractor. The certified quantity has been confirmed against the Works done and the Bill of Quantity and represents the value of the actual Works completed by the Contractor to date of a particular IPC has been issued

Task 2214: Schedule Control

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. Since variation order for extension of completion date has been issued, the Contractor has been asked to produce his updated Works Programme. The Contractor furnish with his last revised Programme of Works on 12th December 2003 where the Gasan Su Chay Bridge works has been included. However they did not produced the required cash flow projection as yet.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. Since variation order for extension of 3 months has been issued, the Contractor has been ask to produced his updated Work Programme where they has been request to revised the production rates as the ones at the previous submissions have been on optimistic side.

Further more the winter season is approaching and the Works can be hampered by the bad weather.

Task 2215: Maintenance of Traffic on the existing Road

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. No detours might required since that the new bridge structures and access Roads are constructed parallel to the existing ones, however the maintenance of existing road is required in order to keep the traffic flow.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. The Contractor did open first 12 km of detour and relocate the traffic to the existing old access road to Shemkir. The closure has been negotiated with the locals and Republic traffic road authority/police department and existing road traffic have been diverted (October 26, 2003) The Contractor is maintaining the old access Road to Shemkir.

Task 2216: Safety

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. Safety on site is a prime concern and several instructions have been issued to the Contractor on this matter.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. The Contractor has been issued with particular instructions to comply with the safety on site.

Task 2217: Environmental Protection

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. The Contractor has been brief on the matter. However Contractor advised that will use commercial source for the concrete aggregates. As soon as the Borrow pits for Approach Roads constructions are required the Contractor shall submit the environmental protection plan as requested.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. The Contractor have been brief on the matter and instructed to basic environmental protection rules and techniques. As a result in his submissions Contractor include Method Statement for reinstatement of newly opened Borrow pits areas at the completion of Works.

Task 2218: Contract variations, Employer's and Contractor's changes

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan

Ongoing task. Variation order № 1 for extension on completion date to 30th March 2004, with no cost to the Project has been issued (October 17, 2003)

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section

Ongoing task. Variation order № 1 for extension on completion date to 21st October 2004, with no cost to the Project has been issued (November 24, 2003)

Task 2219: Examine and Recommend on Claims

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
Ongoing task. No new submission to date

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Ongoing task. No new submission to date

Task 2220: As Build Drawings

Works are not at that stage as yet.

Task 2221: Completion of the Works

Works are not at that stage as yet.

Task 2222: Maintenance Assistance

Works are not at that stage as yet.

Task 2223: Reporting for Segment II

Contract 027-531 – Construction of Gasan Su and Shemkir Chay Bridges in Azerbaijan
Ongoing task. This is the second quarterly periodic reports.

Contract CW – 2002-1- Rehabilitation and upgrading of Ganja – Shemkir Road Section
Ongoing task. This is the second quarterly periodic reports

B.2.2.5 Segment 4 of the Project Component II: Technical Supervision of the TACIS project: "Construction of two bridges: Gasan Su and Shemkir Chay"

General Information

The scope of this project is the construction of two bridges – Gasan Su Chay and Shemkir Chay on the Ganja to Gazakh road.

At each bridge site, there is the remains of a project that was aborted. The existing Shemkir Chay Bridge (chainage 382+690) is a structure of 3 spans – bridge length 67.88 m – bridge width 8.5 m. The aborted bridge structure is located to the North and downstream of the existing bridge. The new bridge over Shemkir Chay River will be located upstream on the proposed second carriageway of the road. The design bridge is 3 spans, Reinforced Concrete Bridge, with 11.50 m carriageway with and 1.00 m. width walkways. Span scheme of the designed bridge is 3 x 22.2 meters

The existing Gasan Su Chay Bridge (chainage 447+650) is a structure of total length 37.94 m. and the width of the old bridge is 8.5 m. The aborted bridge structure is downstream and partially will be utilized into the construction of the bridge. The design bridge over Gasan Su Chay will be located downstream on the proposed second carriageway of the road. The designed bridge is a 3 span, Reinforced Concrete Bridge, with carriageway width equal to 11.5 meters and 1.00-meter width walkways. Span scheme of the designed bridge is 12 + 18 + 12 meter.

Funding Agent	European Commission
Employer	The Contracting authority is the– The TACIS Inter-State programme in conjunction with the TRACECA
Beneficiary and Employer for technical matters	Azerbaijan republic Ministry of Transport "Yolnegliyatservis" Department address: Prospect Tbilisi 10/54 The Ministry of Transport Tel:99412 930192 Fax:99412 315655
Mr. Cavid Gurbanov Gamber	Chief of the Department
EUROPEAID EC Brussels	
Mr. E Dalamangas	Project Manager
Service Supervision Contractor R Degheim S I Dotchev	Team Leader - Project Manager Project Manager's Representative
Contractor A Abbasov	Azerkorpu Joint Venture Site Agent

Project Data

Works Contract Euroaid/112944/C/W/AZ	
Works Tender Opened	
Contract Awarded	27 th December 2002
Contract Agreement Signed	27 th December 2002
Tender Amount	€1,424,017.80
Contract Amount	€1,424,017.80
Contract Start Date	10 th March 2003
Contract Completion Date	30 th March 2004
Works Programme received	August 4, 2003
Woks revised Programme	31 st October 2003
Works complete to date	30.4%
Value of Works to date	€432,912.21
Value of IPC issued to date	€384,062.14
Variations revised bridge design at Contractors cost	Nil
Advance Payment Received	€142,401.78
Repayments made	0%
Delays	150 days
Claims	Extension of time with no additional cost accepted to March 30, 2004
Time elapsed to date	296 days
Time remaining	90 days

Status of the Contract

Since start (March 10, 2003) the Contractor have been on site 296 days or 76.68 % of the Contractual time and to date are remaining 90 days or 23.32% of the Contractual time to the extended Completion date (March 30, 2004)

Task series 2400

Task 2401: Mobilization of the Bridge Design Engineer

The Mobilization of the Bridge Design Engineer has been done as soon as Project developments did required. Miss Eleni Kritikou our expatriate expert has been deployed from April 30, 2003 to May 14, 2003. She has review the design and has produced in time her project Specific recommendations. However since works have progress two new issues have been recorded (new intermediate piles for Gasan Su Chay Bridge and correction of the concrete strength for foundation ate Shemkir Chay Bridge as show at the drawings) and new Jacobs expert – Mr. J Rigby has been call and visit the site September 2003. He produced his report October 1, 2003 and his advice and comments are followed by the Contractor.

Task 2402: Review of the Design and Tender/Contract Documents

The Bridge Design engineer reviewed the Contract documents and the local available practice and expertise. However the review did show that the original design calls for pre-stressed concrete beams superstructure bridge deck but such technology is simply not available into the

country. Importing the technology and know-how for the purpose of building those two bridges was not visible solution. There after decisions have been proposed and accepted by the Client (EC) that those bridges shall be build in accordance with the existing local technology know-how and practice and thereafter simple reinforced beams bridges shall be build. The Contractor reproduced new redesign implementing those requirements. The design have been approved by local authorities and reviewed by our expatriate bridge experts. Presently Contractor is busy with implementation of the project.

Task 2403: Technical Meeting on the Reviewed Contract Documents

Regular Meetings have been held as required and PIU are ware of the design problems and our recommendations and solution proposed.

Task 2404: Provide the EU and MoT with an overall performance schedule

The EU and MoT contracting authority on monthly basis are kept informed for the Contractor's overall performance

Task 2405: Technical Supervision of the Contract

Ongoing daily task. The project is closely monitored and whole lots of problems issues are reported immediately and efficiently to the party concern.

Task 2406: Inspections and Control

Ongoing daily task. The Contractor has been instructed and it's aware of the inspections procedure and control required for execution of the Works in accordance with the Project Specification. They are aware that no Work shall be paid unless properly inspected and approved.

Task 2407: Issue Acceptance Certificates

Certificates shall be issued as Progress of Works demanded.

Task 2408: Prepare Financial Documents

Ongoing task. Interim Payment certificates are issued as Progress of Works demanded. The last revised and updated Bill of Quantity has been accepted by the EU Representative (by email dated Oct 23, 2003) and payments for the first IPC are expected any time soon. Second IPC (December 2003) have been prepared and send for acceptance and payment.

Task 2409: Prepare Reports on project Progress

Ongoing task. To date starting from March 2003 on monthly basis ten Monthly Progress Reports, two Quarterly Progress Reports and Special Extra Site visit Report (for the EU representative site visit October 2003) has been produced.



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