

**MICROFILMED FROM BEST
AVAILABLE COPY**

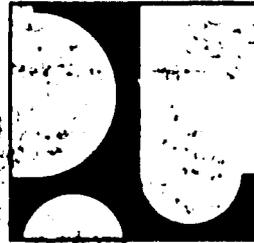
PD-AAA-88819
ISN 1412

7970208/53

**MICROFILMED FROM BEST
AVAILABLE COPY**

REPUBLIK INDONESIA

**DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL BINA MARGA**



JAGORAWI HIGHWAY

**MONTHLY REPORT
SUPERVISION**

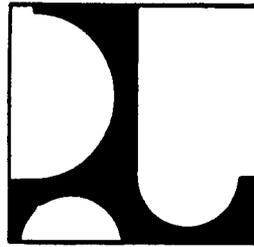
NOVEMBER 1980

**AMMANN & WHITNEY-TRANS ASIA ENGINEERING ASSOCIATES INC.
A JOINT VENTURE**

CONSULTING ENGINEERING

REPUBLIK INDONESIA

**DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL BINA MARGA**



JAGORAWI HIGHWAY

**MONTHLY REPORT
SUPERVISION**

NOVEMBER 1980

**AMMANN & WHITNEY-TRANS ASIA ENGINEERING ASSOCIATES INC.
A JOINT VENTURE**

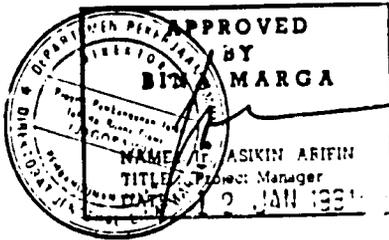
CONSULTING ENGINEERING

BEST AVAILABLE DOCUMENT

**MICROFILMED FROM BEST
AVAILABLE COPY**

REPORT NO. 79

JAGORAWI HIGHWAY PROJECT
CONSULTING SUPERVISION SERVICES



SUBMITTED BY :



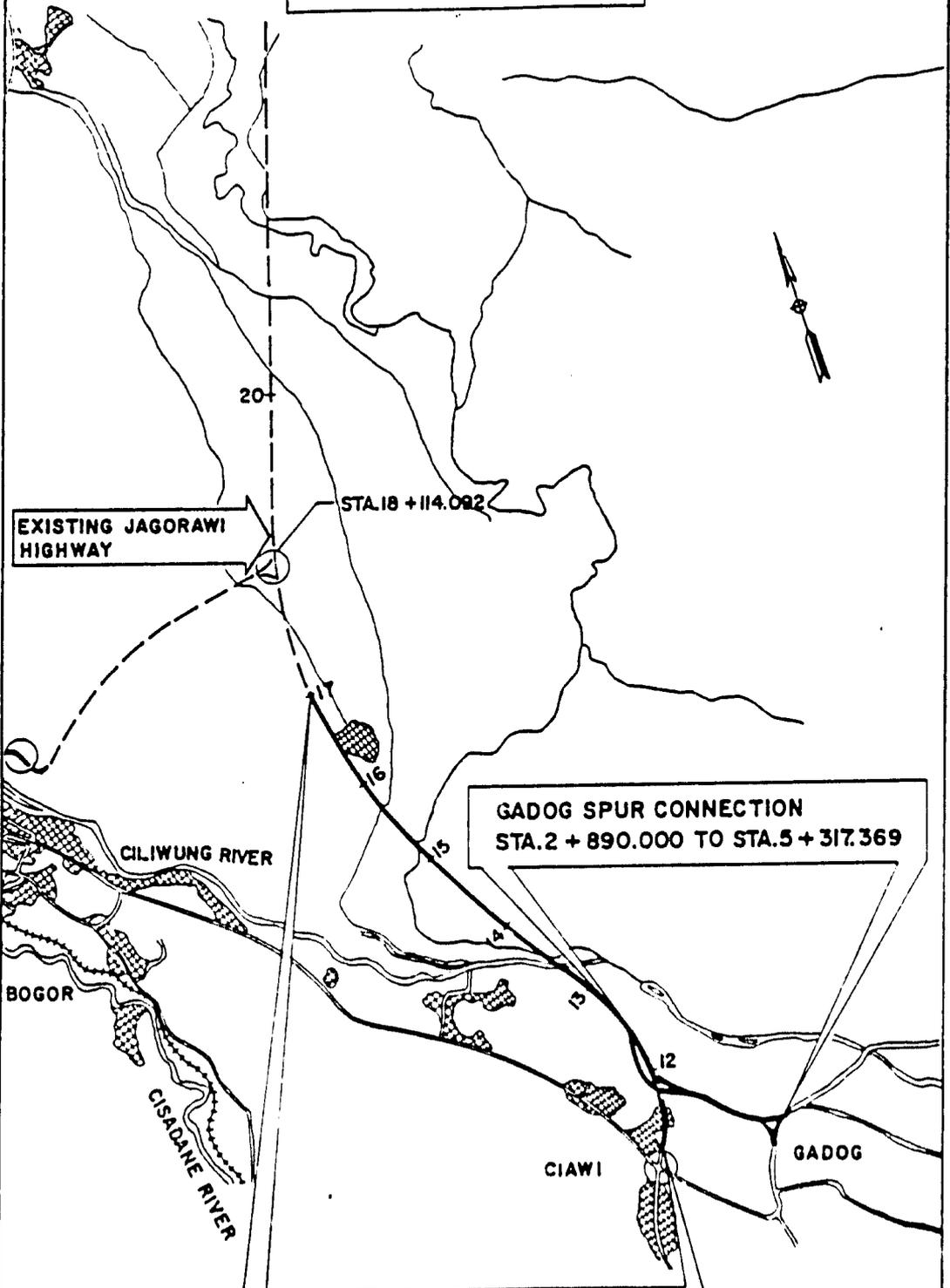
Larry G. Buntten
LARRY G. BUNTEN
Engineer in Charge

FOR THE MONTH OF NOVEMBER, 1980

PREPARED BY :

JOINT VENTURE FIRM OF
AMMANN & WHITNEY/TRANS-ASIA
ENGINEERING ASSOCIATES, INC.
P.O. BOX 44, BOGOR
I N D O N E S I A

JAGORAWI HIGHWAY
STAGE II
SITE MAP
SCALE 1:50.000



EXISTING JAGORAWI
HIGHWAY

STA.18 + 114.092

GADOG SPUR CONNECTION
STA.2 + 890.000 TO STA.5 + 317.369

CILIWUNG RIVER

BOGOR

CISADANE RIVER

CIAWI

GADOG

JAGORAWI HIGHWAY STAGE II
STA.11 + 075.000 TO STA.16 + 872.500

**MICROFILMED FROM BEST
AVAILABLE COPY**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
I. NARRATIVE SUMMARY	1
1. ... GENERAL	1
2. ... STAGE II CONSTRUCTION	1
3. ... STAGE I MAINTENANCE	1
II. PROBLEM AREAS	2
1. ... SURVEYS	2
2. ... FUNDING	2
3. ... MANAGEMENT	2
4. ... COORDINATION	2
5. ... TRAINEES	3
6. ... RECOMMENDATIONS	3
III. ADMINISTRATION	4
1. ... SUBMISSION/APPROVALS	4
2. ... DECISIONS	4
3. ... MAJOR CONFERENCES	4
4. ... OFFICIAL VISITORS	7
5. ... FINANCIAL OVERRUNS/UNDERRUNS	7
6. ... MISCELLANEOUS	7
IV. ENGINEERING PROGRESS	8
1. ... SURVEYS	8
2. ... LABORATORY	8
3. ... BRIDGES	8
4. ... QUANTITIES & DESIGN	8
V. CONSTRUCTION PROGRESS	9
1. ... SCHEDULE	9
2. ... RAINFALL	9
3. ... CONCLUDING REMARKS	9
4.	
VI. CONTRACTOR PROGRESS	11
1. ... CLEARING & GRUBBING	13
2. ... MOBILIZATION	13
3. ... QUARRY	13
4. ... PERSONNEL	14
VII. PHOTOS	15
VIII. STAGE I MAINTENANCE	18
IX. PERSONNEL	19
1. ... ENGINEER	19
X. APPENDIX.	
1. ... INCOMING CORRESPONDENCE.	
2. ... OUTGOING CORRESPONDENCE.	
3. ... STATUS OF DOLLAR FUNDS FOR ENGINEERING SUPERVISION OF STAGE II CONSTRUCTION.	

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION I NARRATIVE SUMMARY

I. 1. GENERAL

The Engineer's Dollar letter of credit was increased on November 12, 1980. The Engineer's Rupiah Amendment No. 9 covering Stage II supervision has not been signed.

Mr. Boros, Senior Bridge Engineer arrived on site November 22nd and has assumed his duties.

I. 2. STAGE II CONSTRUCTION

The problem areas report last month persist. ICCI has not provided finance or equipment to mobilize and progress the work. The clearing and grubbing attempted is incomplete and the Engineer has ordered that some work be redone. The haul road in the Gador Spur is not passable to vehicle traffic.

Lack of coordination of ICCI, CDME and GIC remains a problem. The construction contract still has not been approved by Sekneg and remain unsigned.

I. 3. STAGE I MAINTENANCE

The fog seal work has been delayed until after the rainy season. Bina Marga has agreed to hand over US/AID financed maintenance equipment to Jasa Marga.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION II PROBLEM AREAS

II. 1. SURVEYS

The surveyors employed by ICCI were terminated on November 7th. There has been no additional survey work since. Notes for slope stakes set have not been submitted to the Engineer for checking.

II. 2. FUNDING

The construction contract has not been signed and ICCI continues to refuse to fund the project. The Director of Construction has agreed to advance ICCI Rp 275 million for precasting, quarry and H-pile work based on actual progress achieved.

II. 3. MANAGEMENT

Management remains poor. No equipment has been mobilized to complement equipment provided by Bina Marga. The little work activity in progress is not well planned and is inefficient due to lack of equipment and lack of operating funds. It appears that ICCI is merely making work to keep trainees somewhat busy. Clearing and grubbing work is incomplete and in two locations, loose dozed material will have to be removed and the area rescalped. Haul road constructed in Gadog is not passable to vehicle traffic. A progress schedule and CPM have now been submitted. ICCI is still working without required insurance and has not posted security for use of Bina Marga-owned equipment.

II. 4. COORDINATION

ICCI and CDME have signed a letter of understanding for Jagorawi. This letter limits involvement of GIC to advise on technical matters. However, there is still a strong resistance from ICCI to coordinate with GIC. This resistance is delaying start up of precast work, an item of work that can be progressed during the rainy season, because of a differences in selection of a sub-contractor.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION II PROBLEM AREAS

II. 5. . . . TRAINEES

ICCI is still reluctant to accept the quota of trainees required by CDME. Bina Marga has stated that a directive requiring use of 50 to 75 percent trainees will be issued.

II. 6. . . . RECOMMENDATIONS

The Engineer by letter, has recommended that if Bina Marga issues a directive making use of trainees mandatory, that this be covered by a contract amendment, agreed and approved by all parties concerned.

With ICCI not willing to commit funds, or equipment to the project and providing only "part time" management, progress will be poor. A meeting of Bina Marga and ICCI's management should be held to determine if ICCI is willing to progress the work.

If ICCI is not willing to commit themselves to the project, two possibilities for completion exist :

- 1- Ask for new tenders, possibly, a joint venture with a local and foreign contractor could be requested.
- 2- Progress the work on a force account basis using Government furnished equipment and the work to be directed by the Engineer.

This would remove the risk factor and eliminate capital outlays by ICCI for mobilization. Trainees could be used and training received by ICCI under the Engineer's Expatriate Supervisory team would be very beneficial.

An increase in the Engineer's expatriate staffing will be required if this option is adopted.

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION III ADMINISTRATION

III. 1. SUBMISSION/APPROVALS

The Engineer submitted Dollar and Rupiah invoices for November plus make-up Rupiah Invoice No. 80 covering adjustments authorized by Amendment No. 9. Bina Marga has not approved the Engineer September or October Dollar invoices and has not approved a Rupiah Invoice since June. Bina Marga did approve the Engineer's May Rupiah invoice during the report period.

A site plan for the Engineer's housing at Baranangsiang was forwarded to Bina Marga for approval.

The Joint Venture submitted a request to the Director of Construction for approval to increase the Engineer's Rupiah overhead. A request for a letter of intent for signing the Engineer's Rupiah Amendment No. 9 was also submitted to Mr. Moelia.

ICCI submitted a formal CPM and bar chart schedule to the Engineer and Bina Marga.

III. 2. DECISIONS

Bina Marga has decided to revise the make, model and number of vehicles to be provided under the construction project. Revised specifications have been forwarded to ICCI for their consideration.

III. 3. MAJOR CONFERENCES

1- Weekly Meetings

Weekly meetings with ICCI, GIC, Bina Marga and the Engineer were held on November 1st, 8th, 13th and 22nd. Minutes of these meetings were prepared by the Engineer and forwarded to Bina Marga with a copy to ICCI.

2- Maintenance Meeting

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION III ADMINISTRATION

III. 3. MAJOR CONFERENCES (Cont'd)

2- Maintenance Meeting

A meeting with Jasa Marga, Bina Marga, US/AID and the Engineer was held on November 5th.

The Engineer briefed the group on outcome of the fog seal test section and emulsion test results. Jasa Marga agreed to make arrangements for a meeting with P.T. Pluit Bataco Raya to discuss non-specification emulsion.

Bina Marga reported that the Bandung Lab had issued a report of skid test they had performed on Jagorawi. The report was dated May 1980. Skid test results for the right (slow lanes) between Station 42 and 45 were reported as 50 (British Pendulum Number) and a reduced speed limit for this area was recommended by Bandung.

A discussion of the advisability of fog sealing followed. It was agreed that the Engineer would do verification skid tests on Jagorawi.

Because of the onset of the rainy season, it was agreed to defer the seal coat program until after the rainy season.

A decision was made to refer the maintenance equipment hand over to Mr. Moelia. Jasa Marga stated that a mechanical engineer for the equipment was to be provided by Bina Marga.

It was agreed that the present design plans for the Jasa Marga maintenance shop would be reviewed by the Engineer.

3- Discussions with Bandung Lab

The Engineer, Bina Marga and US/AID traveled to Bandung and met with Mr. Soedarmanto, Director of Road Technic and his staff on November 19th.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION III ADMINISTRATION

III. 3. MAJOR CONFERENCES (Cont'd)

3- Discussion with Bandung Lab (Cont'd)

Briefly described, the group discussed project testing that could be done in Bandung, arranged loan of a jack for the three edge bearing test, discussed the May skid report for Jagorawi. Inspections of the asphalt and structural lab were made.

A formal report on this meeting has been forwarded to Bina Marga.

4- Meeting With The Director of Construction

A meeting of the Engineer, US/AID, Bina Marga project personnel and Mr. Moelia, Director of Construction was held on November 26, 1980.

A letter from AID to the Director General regarding use of trainees was discussed. The EIC pointed out that a copy of this letter had not been forwarded to the Joint Venture.

Mr. Moelia explained that Bina Marga would require use of 50 to 75 percent trainees on Jagorawi, and asked AID to be patient and wait to observe results.

The Engineer pointed out that lack of ICCI progress to date was attributed to lack of funds and failure of ICCI to provide equipment. Mr. Moelia agreed to make an advance to ICCI of Rp 275 million. Rp 25 million would be made available to the Joint Venture until Amendment No. 9 is signed. Mr. Moelia requested that ICCI use the advance to progress precasting and quarry operations, which can continue thru the rainy season.

Mr. Moelia agreed to handover maintenance equipment to Jasa Marga and agreed to provide a mechanical engineer to be responsible for the equipment.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION III ADMINISTRATION

III. 3. MAJOR CONFERENCES (Cont'd)

4- Meeting With The Director of Construction (Cont'd)

It was also agreed that Jasa Marga could trade the wheel dozer to Bina Marga for more useful equipment such as a grader and/or dump trucks.

III. 4. OFFICIAL VISITORS

Mr. Koski of US/AID continued weekly visits to the site.

III. 5. FINANCIAL OVERRUNS/UNDERRUNS

1- Dollar Funding

The Engineer is happy to report that Dollar funding for the Joint Ventures approved Amendments No. 7 and No. 8 was approved and the letter of credit increased on November 14th.

It appears likely that authorized dollar funding for the Engineer's supervision will be depleted prior to completion of the project because of lack of progress by ICCI to date.

2- Construction Funding

The draft construction contract stands at Rp 9,039,614,228. However, Sekneg has not approved the contract and some cost reductions will be required.

III. 6. MISCELLANEOUS

The Engineer's old office at Lewinutug was handed over to Bina Marga along with excess furniture, survey equipment, drafting tables, etc. However, the Engineer has reserved the lab, the old survey office and lab storage for use on Jagorawi Stage II.

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION IV ENGINEERING PROGRESS.

IV. 1. SURVEYS

Survey work consisted of checks of slope stakes set by ICCI, re-establishment of right of way monuments at Sentul Quarry and alignment and preconstruction cross-sections for the Gadog Frontage Road.

Mr. Dalimin, Party Chief on loan from Bina Marga, returned to Bina Marga at the end of the month by their request.

IV. 2. LABORATORY

The lab crew conducted a series of skid tests on existing Jagorawi. Test squares of emulsion fog seal were placed and skid values checked before and after sealing.

Mr. Gono, the EIC, Mr. Koski, Mr. Asikin and Mr. Soepomo visited the Bandung Laboratory and discussed testing requirements with them.

IV. 3. BRIDGES

The Senior Bridge Engineer, Mr. Boros arrived November 22nd. Mr. Boros is checking H-pile requirements and has made an inspection of Waskita Karya's precast yard at Sanja. A listing of deficiencies at the precast plant is being prepared by Mr. Boros. Bar reinforcing schedules are being prepared by Mr. Poedji.

IV. 4. QUANTITIES & DESIGN

Plans for the 3-edge bearing test were modified to accept a jack to be borrowed from the Bandung Lab. Sketch plans for the lab addition to the Sentul Scale House are being prepared.

The Quantities Section continues checking quantities and preparing pay voucher books, etc.

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION V CONSTRUCTION PROGRESS

V. 1. SCHEDULE

ICCI has submitted an official CPM and bar chart schedule. The schedules are presently being reviewed by the Engineer and Bina Marga.

ICCI has been unwilling to mobilize the project to date. There was no measurable progress during the month. The clearing and grubbing work attempted is incomplete or unacceptable, and the haul road in Gadog is not passable.

V. 2. RAINFALL

Heavy and frequent rains hampered the Contractor has might be expected during the rainy season.

Rainfall for November follows :

	<u>Nov.</u>	<u>Average for Project location</u>
No. rain days	21	18.2
Max. amount of rainfall	97 mm	-
Total amount of rainfall	458 mm	322.8 mm

V. 3. CONCLUDING REMARKS

As long as ICCI refuses to finance the project, there can be no progress. We understand informally, that only Rp 25 million has been provided by ICCI for operational funds for the first two months of operations.

By simple arithmetic, it can be seen that progress would be less than 0.3% based on this funding, i.e. :

$$(25,000,000) / (8,089,000,000) = 0.003 \\ \text{or } 0.3\% \text{ max.}$$

ICCI also submitted a long range schedule for the next four months showing expenditures of only Rp 130 million.

SECTION V CONSTRUCTION PROGRESS

V. 3. . . . CONCLUDING REMARKS (Cont'd)

The Engineer rejected this schedule as not responsive to ICCI's latter notification of beginning work in September 19 [redacted] copy of the Engineer's reply to this proposed sch [redacted] of funding follows.

**MICROFILMED FROM BEST
AVAILABLE COPY**

MICROFILMED FROM BEST
AVAILABLE COPY

AMMANN & WHITNEY
TRANS-ASIA ENGINEERING ASSOCIATES, INC.
A JOINT VENTURE
ARCHITECTS ENGINEERS CONSULTANTS PLANNERS

Please reply to: P.O. Box 44800
Indonesia
Phone: 0251-25096

November 29, 1980
Ref. No. : 172/G-023/ICCI

To : ICCI
Jaya Bldg.,
Jalan Thamrin No. 12,
Jakarta - Indonesia.

Attention : Mr. W. ROTINSULU

Subject : LACK OF PROGRESS - Project Funding.

Reference is made to ICCI letter 051/ICCI/Road/XI.30 dated November 20, 1980.

There has been no measurable progress on Jagorawi for the first two months of operation. By your above referenced letter, ICCI has budgeted only Rp 130 million for the next 4 months of operation. Estimated progress during this period is :

$$\frac{\text{Rp } 130,000,000}{\text{Rp } 3,000,000,000} = .016 \text{ or } 1.6\%$$

Total progress for the first 6 months will be less than 2%.

This scheduling is unacceptable and not responsive to your letter of 24 September where you have "commenced the work on September 22, 1980".

To date, ICCI has refused to supply equipment or funds for the Jagorawi Project. There appears to be a complacent feeling that all will be well and progress automatic once Bina Marga provides an advanced payment. On the contrary, the advanced payment will cover only a small portion of the investment needed to mobilize and progress a major highway project such as Jagorawi.

In discussing this matter with your Project Manager, Mr. Husodo, it seemed apparent that ICCI has not yet made a cash flow or finance plan. The Engineer has attached an estimate of the cash flow necessary to mobilize and progress Jagorawi.

By our estimate,

MICROFILMED FROM BEST
AVAILABLE COPY

AMMANN & WHITNEY
TRANS-ASIA ENGINEERING ASSOCIATES, INC.
A JOINT VENTURE
ARCHITECTS ENGINEERS CONSULTANTS PLANNERS

Please reply to: P.O. Box 44/Bogor
Indonesia
Phone: 0251-25096

November 29, 1980
Ref. No. : 172/G-023/ICCI
Page : 2

By our estimate, about Rp 5.6 billion in funding will be required during the first 6 months of operations. This is not a directive, but merely our estimate of the cash flow and funding required to mobilize and progress Jagorawi.

For comparison, we have attached a copy of the actual cash flow experienced by the previous Korean contractor on Jagorawi.

It is the Engineer's responsibility to report to Bina Marga on the Contractor's financial and cash flow schedule (see Section 105.20 of the Contract Special Provisions). Therefore, please submit the following :

- 1- Your cash flow plan based on your CPM schedule of progress.
- 2- Your financial plan for mobilization and constructing the work.
- 3- Tangible evidence that you have a line of credit from either a bank or the ICCI consortium members for this project.

You have been issued a "letter of intent" for Jagorawi by the Director General, Bina Marga. Thus, we strongly urge you to reconsider the schedule submitted by your letter of 20 November. We urge you to obtain necessary funding and begin serious purchase of equipment and materials necessary to adequately mobilize this project.

Very truly yours,


LARRY G. BUNTEN
Engineer in Charge

LGB/jmg

cc : Director of Construction.
Ir. Asikin Arifin.
Joint Venture - N.Y.C.
Trans-Asia - Jakarta.
US/AID - Jakarta.

Mr. Anthony Boros.
Mr. Husodo Suharto.
Gray International.

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION VI CONTRACTOR'S PROGRESS

VI. 1. EQUIPMENT

ICCI has not signed an equipment rental agreement with Bina Marga and has not posted a bank guarantee for the equipment.

ICCI has mobilized a van and a jeep. However, all other equipment has been mobilized by Bina Marga or Pusbinal and is Government owned. Following is a list of equipment mobilized thru November 25th.

Description	Make/ Model/ Type	OWNER	Public- Work Register No.	Serial No.	Arrived	From Location
Jeep	DAIHATSU	ICCI	B-1960-VG	-	Oct. 1, '80	-
Hi-Ace	TOYOTA	ICCI	B-7075-EP	-	Oct. 1, '80	-
Back Hoe Exca- vator	POCLAIN	Pusbinal	CR/V-202		Sep. 16, '80 (Returned Nov. 7, '80)	Narogong
Motor Grader	Komatsu GD 600 R1	Bina Marga	AE/010/007	600R-10156	Sep. 29, '80	Cikampek
Motor Grader	Komatsu GD 600 R1	Bina Marga	AE/010/008	600R-10152	Sep. 30, '80	Cikampek
Motor Grader	Komatsu GD 600 R1	Bina Marga	AE/010/006	600R-10155	Sep. 30, '80	Cikampek
Dump Truck	Tzusu	Bina Marga	F-202-XB	1682949	Sep. 30, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	F-203-XB	1682928	Sep. 30, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	F-204-XB	1682814	Sep. 30, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	F-205-XB	1682954	Sep. 30, '80	Cikampek
Drag Line	Linkbelt LS78	Bina Marga	28/281/001	L5578911	Oct. 6, '80	Surabaya
Dozer Shovel	Halla FA	Bina Marga	AE/051/005	17931	Oct. 6, '80	Cikampek
Wheel Crane	American	Bina Marga	AE/062/002	05-075-0014	Oct. 6, '80	Cikampek
Wheel Loader	Halla 605 B	Bina Marga	AE/052/080	47L-06777	Oct. 7, '80	Surabaya
Wheel Loader	Halla 605 B	Bina Marga	AE/052/078	47L-06693	Oct. 7, '80	Surabaya
Wheel Loader	Halla 605 B	Bina Marga	AE/052/079	47L-06697	Oct. 7, '80	Surabaya
Bul' Dozer	Komatsu 605 B	Bina Marga	AE/001/011	47L-06697	Oct. 7, '80	Surabaya
Bul' Dozer	Komatsu 605 B	Bina Marga	AE/001/012	67092	Oct. 8, '80	Surabaya

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION VI CONTRACTOR'S PROGRESS

VI. 1. EQUIPMENT (Cont'd)

Description	Make/ Model/ Type	O W N E R	Public- Work Register No.	Serial No.	Arrived	From Location
Crawler Crane	P & H 550	Bina Marga	AP/281/003	E-40861	Oct. 10, '80	Surabaya
Crusher	Kongwan WPR 30	Pusbinal	AE/032/001	DB 2416	Oct. 7, '80	Cikampek
Crusher	Kongwan WPR 30	Pusbinal	AE/032/002	DB 2416	Oct. 7, '80	Cikampek
Gen Set	MAN	Bina Marga	AE/321/111	-	Nov. 7, '80	Cikampek
Gen Set	MAN	Bina Marga	AE/321/112	-	Nov. 7, '80	Cikampek
Pavel Box Gen Set Stone Crusher	-	Bina Marga	-	-	Nov. 21, '80	Surabaya
Pavel Box Gen Set Stone Crusher	-	Bina Marga	-	-	Nov. 21, '80	Surabaya
Back Hoe Excavation	INTERNATIONAL	Bina Marga	HEY/011/P45	-	Nov. 7, '80	Bekasi
Crawler Crane	P & H 550	Bina Marga	AM/231/001	40864	Nov. 19, '80	Palembang
Dump Truck	TXD 40	Bina Marga	AE/212/131	1683065	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/125	1682818	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/128	1682920	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/132	1683066	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/138	1682883	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/006	1681225	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/025	1681220	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/034	1681275	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/046	1681216	Oct. 13, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/098	1682926	Nov. 2, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/117	1682953	Nov. 2, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/133	1682930	Nov. 2, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/111	1682907	Nov. 2, '80	Cikampek
Dump Truck	TXD 40	Bina Marga	AE/212/106	1682819	Nov. 2, '80	Cikampek
Water Tank Truck	H I N O KL 340	Bina Marga	AE/182/005	KL340- 59124	Sep. 15, '80	Cikampek

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION VI CONTRACTOR'S PROGRESS

VI. 1. . . . EQUIPMENT (Cont'd)

Description	Make/ Model/ Type	OWNER	Public- Work Register No.	Serial No.	Arrived	From Location
Bulldozer	Caterpillar D 76	Bina Marga	AF/001/017	92V1251	Oct. 10, '80	Cikampek
Loader	FIAT ALLIS FA-605B	Bina Marga	AE/052/078	-	Nov., 1980	-
Loader	FIAT ALLIS FA-605B	Bina Marga	AE/052/079	-	Nov., 1980	-
Truck Loader	D 57 S	Bina Marga	AE/051/005	-	Nov., 1980	-
Tire Roller	SAKAI SAKTI TR-01	Bina Marga	11349	-	Nov., 1980	-
Drag Line	LINKBELT	Pusbinal	28/281/001	-	Nov., 1980	-

VI. 2. . . . CLEARING & GRUBBING

There was little effort to progress clearing and grubbing. ICCI dozed loose fill over areas to be cleared and grubbed at Station 3+900 Gadog Spur (see photo section). The Engineer has issued a letter requiring that this deficiency be corrected.

VI. 3. . . . MOBILIZATION

ICCI continued their haul road work in Gadog. Pipe culvert crossings were installed at Station 3+700 and 3+900; however, the road is not passable to vehicle traffic.

VI. 4. . . . QUARRY

Some dozer time was expended to level an area for crusher installation. Trainee mechanics attempted to partially assemble the two crushers.

**MICROFILMED FROM BEST
AVAILABLE COPY**

SECTION VI CONTRACTOR PROGRESS

VI. 5. PERSONNEL

Following is ICCI's staffing report for November. Many of the trainee carpenters and electricians did not work on the construction, but did odd jobs at Bina Marga's Lauwinuhing Office :

A) ADMINISTRATIVE PERSONNEL

NO.	N A M E	POSITION
1.	Ir. Husodo Suharto	PROJECT MANAGER ROAD
2.	Irawan Budiono Msc. (Trainee)	PROJ. MAN. PROCUREMENT
3.	Sinung Hardjo BE (Trainee)	CHIEF OFFICE ENGINEER
4.	Hasrul Fuad BE	CHIEF FIELD ENGINEER
5.	Drs. Julius	CHIEF ACCOUNTING
6.	Ir. Doudoh Rachmat	CONS. OPERATOR/SUPERIN.
7.	Bambang Singgih	CHIEF ADM. & SERVICE
8.	Erwinsyah Lubis	TRANSPORT./LABOR COORD.
9.	M. Zein	STORAGE & SUPPLY
10.	Kamaludin	FIELD SUPERVISOR
11.	Untung Saifudin	LABORATORY TECHNICIAN
12.	Suwarno	DRAFTSMAN
13.	Yuyun Wahyuningsih (CDME)	TYPIST
14.	Sri Rahayu Budiasih	TYPIST
15.	Ias Dwi Artini	ASS. ACCOUNTING
16.	Yenny Hamidi	SECRETARY
17.	Eddy Hery Susanto	STAFF ADM. & SERVICE
18.	Yahya Idris	STAFF OFFICE ENGINEER
19.	Tonny T. Sanjaya	DRIVER
20.	Ujang Jumanto	DRIVER
21.	A Z I S	TIME KEEPER
22.	Achmad	OFFICE BOY
23.	Albert Pitoy	TIME KEEPER
24.	Deddy Iskandar	FIELD SUPERVISOR
25.	Supriyatna	DRIVER

B) TRAINEES

NO.	CRAFT
11	Operator
4	Truck Driver
4	Electrician
7	Carpenter
Total	26

The Engineer notes that ICCI has not reported any mechanics for maintenance of Bina Marga-owned equipment. Also, no surveyors have been reported.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION VII

P H O T O S

MICROFILMED FROM BEST
AVAILABLE COPY

Top Photo

Bridge Station 11+900. New bridge to be constructed parallel to existing. Photo October, 1980.

Middle Photo

The Engineer provides a slope staking demonstration for ICCI surveyors about Station 3+200, Gadog Spur. Photo October, 1980.

Bottom Photo

Fog seal test at Station 17 looking North. Mr. Jimmy Caldwell in foreground. Photo October, 1980.

MICROFILMED FROM BEST
AVAILABLE COPY



**MICROFILMED FROM BEST
AVAILABLE COPY**

Top Photo :

Loose fill vicinity of Station 3+900
Gadog Spur. Note area has not been
cleared and grubbed. Photo November,
1980.

Middle Photo :

Same location as top photo. Left
to right : Achmad Chudhuri, Office
Engineer; Joko Purnomo, Senior
Materials Inspector; Mr. Saksono,
Counterpart Deputy Resident Engine-
er, Quantities.

Bottom Photo :

Loose fill vicinity of Station
3+900 Gadog Spur. Photo November,
1980.

MICROFILMED FROM BEST
AVAILABLE COPY



SECTION VIII STAGE I MAINTENANCE

VIII. STAGE I MAINTENANCE

Official handover of Jagorawi to Jasa Marga for maintenance has not been accomplished.

The Engineer's lab crew checked skid resistance values on the existing pavement. The area between Station 42 to 45 reported by the Bandung Lab as having a skid resistance value of 50, when checked by the Engineer was found to have an average BPN value of about 67, well above the minimum value of 57 recommended by the British Pendulum Skid Tester manufacture.

After meeting with P.T. Pluit Bataco Raya, the supplier of the emulsion for the fog seal test, the Engineer prepared a detailed report on the test section and forwarded to Bina Marga and the Joint Venture's Home Office. Basically, the Engineer feels the fog seal testing should be continued, but specification emulsion will have to be provided by Pluit.

The Engineer reviewed plans for the Jasa Marga maintenance equipment shop and yard with staff members of Jasa Marga. The plans have been revised to provide for a larger facility split into two separate buildings. Location will be just North of the Mini II office.

SECTION IX PERSONNEL

IX. 1. . . . ENGINEER

The Senior Bridge Engineer, Mr. Tony Boros, arrived in Indonesia on November 22nd.

After two formal requests, the Joint Venture has still not received approval for Mr. Gross to make an Engineer Sponsor Visit.

The following Expatriate man-month status includes man-month approvals authorized thru Amendment No. 8. The estimated time required for completion is thru Stage II Supervision. Because of delays by ICCI in mobilizing, a completion date of March 1, 1983 has been assumed.

EXPATRIATE MAN-MONTH STATUS
(Through Statement No. 65)

Position	Approved Through Aug. 1980	Additional Through Nov. 1980	Total Thru Nov. 1980 (1+2)	Estimated to Completion	Author'd M-M	Balance (5-3-4)
PRINCIPAL	5.00	0	5.00	2.00	7.00	0
SPECIALIST	10.10	0.23	10.23	2.67	13.00	0
ENGR. IN CHARGE	79.32	3	82.32	28.00	102.50	(-) 7.82
SEN. MAINT. ENG.	7.97	0	7.97	0	10.00	+ 2.03
SEN. BRDG. ENG.	46.29	0.33	46.62	21.00	64.00	(-) 3.62
SEN. CIV/TV ENG.	0	0	0	15.00	15.00	0
SEN. H-WAY ENG.	0	0	0	15.00	15.00	0
OTHERS	362.84	0	362.84	0	363.00	+ 0.16
	511.52	3.56	515.08	33.67	589.50	(-) 9.25

Except for addition of one driver, and a replacement for Mr. Dalimin, Indonesian staffing remains the same as for October.

SECTION IX PERSONNEL

IX. 1. . . . ENGINEER (Cont'd)

Local staff during November follows :

BINA MARGA COUNTERPARTS

Mr. Hudaya W. S.	Counterpart Senior Construction/ Pavement Engineer, July 1, 1980.
Mr. Gono Sarpo	Counterpart Senior Materials Engineer, September 1, 1980.
Mr. Saksono Harsono	Counterpart Deputy Resident Engi- neer (Quantities), October 1, 1980.
Mr. Pudji Lukitohadi	Counterpart Senior Bridge Engi- neer, October 1, 1980.

FIELD PERSONNEL

Mr. Dalimin	Party Chief, September 2, 1980 (Returned to Bina Marga November 30, 1980).
Mr. Atang Suryana	Party Chief, November 24, 1980.
Mr. Jenal	Chainman, September 8, 1980.
Mr. Sarjono	Instrumentman, September 8, 1980.
Mr. Ato Toha	Rodman, September 8, 1980.
Mr. Susilo Budi	Lab Aide, September 13, 1980.
Mr. Agus Sujalmaji	Materials Aide, October 1, 1980.
Mr. Saman	Lab Aide, September 13, 1980.
Mr. Adang Jauhari	Lab Technician (Archicons), October 6, 1980.
Mr. Siswoyo	Lab Technician (Archicons), October 4, 1980.
Mr. Joko Purnomo	Senior Materials Inspector (Archicons), July 1, 1980.

SECTION IX PERSONNEL

IX. 1. ENGINEER (Cont'd)

OFFICE TECHNICAL PERSONNEL

Mr. Achmad Chudhori	Office Engineer (Archicons), September 2, 1980.
Mr. Parmono	Draftsman (Archicons), October 1, 1980.
Mr. Johnny Manoch	Highway Technician (Archicons), October 6, 1980.
Mr. Bambang Kushartono	Bridge Technician (Archicons), October 6, 1980.

ADMINISTRATIVE PERSONNEL

Mr. Sukardi Wahyudi	Administrative Manager, July 1, 1980.
Mr. John M. Golluwola	Secretary, July 1, 1980.
Mrs. Onny Pratiwi	Clerk/Typist, July 1, 1980.
Mrs. Herny Widodo	Bookkeeper, July 1, 1980.
Mr. Suryoseputro	Accountant, July 1, 1980.
Mr. Irkin	Mechanic/Driver, July 1, 1980.
Mr. Ujang bin Tarwi	Janitor, July 1, 1980.
Mr. Enan Setiana	Chief Security Guard, October 1, 1980.
Mr. Lily Sulaeman	Security Guard, July 1, 1980.
Mr. Sa'i Hidayat	Security Guard, October 1, 1980.
Mr. Kodrat Muhtadi	Translator (Archicons), October 1, 1980.
Mr. Sanan	Gardener, October 13, 1980.
Mr. Djunaedi	Driver, November 12, 1980.

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION IX PERSONNEL

IX. 1. ENGINEER (Cont'd)

This month	32
Previous	<u>76</u>

T O T A L 108

Authorized Amendment No. 9
thru November, 1980 114 m-m.

VEHICLES

Vehicles months expended thru November, 1980 21
Authorized vehicle months thru November, 1980 41

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION X

APPENDIX

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION X APPENDIX

X. 1. INCOMING CORRESPONDENCE

<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
1. ICCI	Request for Stone Crushers.	Oct. 31, 1980
2. Bina Marga	Comments on the Engineer's Ru- piah Invoice No. 78, for the Month of September, 1980.	Oct. 31, 1980
3. Bina Marga	Revised Model and Number of Vehicles to be Furnished by the Contractor.	Oct. 31, 1980
4. ICCI	Minutes of Meeting, October 29, 1980.	Nov. 1, 1980
5. TAE - Jak.	Submittal of Invoice No. 10/ 1980.	Nov. 1, 1980
6. Bina Marga	Transmittal of the Approved Engineer's Dollar Invoice No. 65.	Nov. 3, 1980
7. ICCI	Request to Start Activities at Sentul Quarry.	Nov. 3, 1980
8. Bina Marga	Procedure of Heavy Equipments Erection.	Nov. 3, 1980
9. ICCI	Requests Equipments.	Nov. 4, 1980
10. ICCI	Minutes of Meeting, November 1, 1980.	Nov. 4, 1980
11. ICCI	Transmittal of the Corrected List of Equipment.	Nov. 5, 1980
12. ICCI	Cannot Accepting the Invita- tion.	Nov. 5, 1980
13. Bina Marga	Drinking Water at the Engine- er's Office.	Nov. 6, 1980
14. Bina Marga	Minutes of Meeting as ICCI's Version.	Nov. 6, 1980
15. Bina Marga	Overhead, Engineer and Taxes.	Nov. 7, 1980
16. Bina Marga	Heavy Equipments, Supplied by Bina Marga.	Nov. 7, 1980
17. Archicons	Invoice.	Nov. 8, 1980
18. SGV UTOMO	Stage I Supervision June 30, 1980, Audit.	Nov. 13, 1980

SECTION X APPENDIX

X. 1. . . . INCOMING CORRESPONDENCE (Cont'd)

<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
19. ICCI	Minutes of Meeting, November 15, 1980.	Nov. 18, 1980
20. ICCI	Monthly finance schedule.	Nov. 20, 1980
21. ICCI	Specifications for Engineer's Vehicles.	Nov. 20, 1980
22. ICCI	Shop Drawing of Temporary Bridge Sta. 4+300 Layout and Detail Crusher for Erection.	Nov. 20, 1980
23. ICCI	Draft of CCO No. 1.	Nov. 21, 1980
24. Bina Marga	Comment on Contractor's Letter No. 052/ICCI/Road/XI/XI/80 dated November 20, 1980.	Nov. 21, 1980
25. Archicons	The Dispatchment of Mr. A. R. Suryana as Party Chief.	Nov. 22, 1980
26. ICCI	Bina Marga's Material for Hauling Road.	Nov. 25, 1980
27. ICCI	Minutes of Meeting, November 25, 1980.	Nov. 25, 1980
28. Bina Marga	Approval of Revised Plans for 3-Edge Bearing Test Machine.	Nov. 26, 1980
29. ICCI	Borrow to Bina Marga's Material.	Nov. 27, 1980
30. ICCI	Literature.	Nov. 27, 1980
31. ICCI	Transmittal of CPM & Construction Schedule.	Nov. 29, 1980

SECTION X APPENDIX

X. 2. OUTGOING CORRESPONDENCE

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
1. JV-NYC	Weekly Administration Report No. 296.	Nov. 1, 1980
2. ICCI	ICCI Invoice.	Nov. 3, 1980
3. JV-NYC	Transmittal of Approved Jagorawi Dollar Invoice No. 65 for Sep- tember.	Nov. 4, 1980
4. Bina Marga	Handover of Typewriters.	Nov. 4, 1980
5. Bina Marga	Water Usage at the Engineer's Office.	Nov. 4, 1980
6. ICCI	Meeting with GEO JAYA.	Nov. 4, 1980
7. Bina Marga	Minutes of the Meeting with Mr. Subaru.	Nov. 6, 1980
8. Bina Marga	Second Request for Approval for Engineering Sponsor Visit.	Nov. 6, 1980
9. Bina Marga	Minutes of Weekly Meeting of November 1st.	Nov. 6, 1980
10. Bina Marga	Request for Approval, Inspection of Bina Marga Laboratory in Bandung.	Nov. 6, 1980
11. Bina Marga	Submittal of Corrected Equipment Hour Schedule.	Nov. 6, 1980
12. ICCI	Revised Number, Make, Model and Specifications for Engineer's Vehicles.	Nov. 7, 1980
13. ICCI	Erection of Plant.	Nov. 7, 1980
14. ICCI	Superelevation Transitions, Gadog Spur.	Nov. 8, 1980
15. JV-NYC	Weekly Administration Report No. 297.	Nov. 8, 1980
16. Bina Marga	Minutes of the Maintenance Meet- ing of November 5, 1980.	Nov. 10, 1980
17. Bina Marga	Transmittal of Agenda for Ban- dung Laboratory Visit.	Nov. 10, 1980
18. ICCI	Bina Marga Approval to Loan Equipment to ICCI.	Nov. 10, 1980

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION K APPENDIX

X. 2. OUTGOING CORRESPONDENCE (Cont'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
19. ICCI	Clarification of Bina Marga's Project Manager Position.	Nov. 10, 1980
20. Bina Marga	Viscosity Test of Emulsion Reported by the Bandung Laboratory.	Nov. 10, 1980
21. Bina Marga	Proposed Site Layout for Engineer's Housing.	Nov. 10, 1980
22. Archicons	Survey's Party Chief.	Nov. 11, 1980
23. Bina Marga	Minutes of the Weekly Meeting of November 8, 1980.	Nov. 11, 1980
24. JV-NYC	Weekly Administration Report No. 298.	Nov. 15, 1980
25. Bina Marga	Handover of Engineer's Sanja Office plus Equipment and Furniture.	Nov. 17, 1980
26. Bina Marga	Waste Disposal.	Nov. 17, 1980
27. SGV UTOMO	Your letter No. UP-4582 dated November 13, 1980.	Nov. 18, 1980
28. Bina Marga	Request for copy of US/AID Letter.	Nov. 18, 1980
29. JV-NYC	Authorization L/C.	Nov. 18, 1980
30. Bina Marga	Minutes of the Weekly Meeting of November 15th.	Nov. 18, 1980
31. Bina Marga	Report on Fog Seal Test Section.	Nov. 18, 1980
32. Bina Marga	Report on Field Trip to Bandung.	Nov. 19, 1980
33. Bina Marga	Revised Plans for 3-edge Bearing Test Machine.	Nov. 20, 1980
34. Bina Marga	Transmittal of Engineer's Dollar Invoice No. 66 for October.	Nov. 20, 1980
35. JV-NYC	Report on Test Fog Seal Section, Jagorawi Highway.	Nov. 20, 1980
36. JV-NYC	Submittal of Rupiah Accounting Reports for October, Jagorawi Highway Project.	Nov. 21, 1980

MICROFILMED FROM BEST
AVAILABLE COPY

SECTION X APPENDIX

X. 2. OUTGOING CORRESPONDENCE (Cont'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
37. Archicons	Agreed Revision of Overtime Billing Rates for Annex X, Amendment No. 9.	Nov. 21, 1980
38. Bina Marga	Transmittal of Engineer's Rupiah Invoice No. 79 for October.	Nov. 22, 1980
39. JV-NYC	Weekly Administration Report No. 299.	Nov. 22, 1980
40. Bina Marga	Extension of ICCI's Bid Proposal.	Nov. 24, 1980
41. Bina Marga	Submittal of Make Up Rupiah Invoice No. 80 for Amendment No. 9.	Nov. 24, 1980
42. Mr. Atang	Letter of Appointment.	Nov. 24, 1980
43. Bina Marga	Engineer's Overhead.	Nov. 24, 1980
44. Mr. Dalimin	Return to Bina Marga.	Nov. 24, 1980
45. ICCI	Cost of Engineer Vehicles.	Nov. 24, 1980
46. Bina Marga	Permanent Stay Visa for Mr. Boros.	Nov. 25, 1980
47. ICCI	Crusher Operations.	Nov. 25, 1980
48. Bina Marga	Request for Letter of Intent Supervision of Jagorawi Stage II Construction.	Nov. 25, 1980
49. ICCI	Superelevation Transitions Mainline.	Nov. 25, 1980
50. Bina Marga	Submittal of Engineer's Monthly Supervision Report No. 78.	Nov. 26, 1980
51. Bina Marga	Resubmittal of Dollar Invoice No. 66 for October.	Nov. 26, 1980
52. Employees	Charge in Working Hours.	Nov. 28, 1980
53. Bina Marga	ICCI Request for H-piles and Welding Machine.	Nov. 28, 1980
54. ICCI	Lack of Progress Project Funding.	Nov. 29, 1980
55. ICCI	Cost of Engineer Vehicles.	Nov. 29, 1980
56. ICCI	Borrowing Books.	Nov. 29, 1980
57. JV-NYC	Weekly Administration Report No. 300.	Nov. 29, 1980

~~MICROFILMED FROM BEST~~
AVAILABLE COPY

SECTION X APPENDIX

X. 3. STATUS OF DOLLAR FUNDS FOR ENGINEERING
SUPERVISION OF STAGE II CONSTRUCTION

I. ENGINEER'S CONTRACT (Excluding bank charges)

A) ORIGINAL CONTRACT	\$ 1,594,084.00
B) AMENDMENT NO. 1	\$ 259,169.00
C) AMENDMENT NO. 2	\$ 288,244.00
D) AMENDMENT NO. 3	\$ 824,702.00
E) AMENDMENT NO. 4	\$ 110,058.00
F) AMENDMENT NO. 5	\$ 0
G) AMENDMENT NO. 6 (STAGE II DESIGN)	\$ 234,051.00
H) AMENDMENT NO. 7	\$ 79,677.00
I) AMENDMENT NO. 8	\$ 597,341.00

T O T A L

\$ 3,987,326.00

Funds Available for
Contract Services

\$ 3,979,538.29

S H O T (-)\$ 7,787.71

Note : The Engineer's letter of credit was increased
by \$ 667,745.55 on November 14, 1980.

II. RUPIAH CONSTRUCTION CONTRACT

A contract has not been signed or approved. Amount of the contract is Rp 8,08 ,614,228. Bina Marga reports that Sekneg has returned the proposal without approval and has required further cost negotiations.