

REPUBLIK INDONESIA

**DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL BINA MARGA**



JAGORAWI HIGHWAY STAGE II

**MONTHLY REPORT
SUPERVISION**

APRIL 1982

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

CONSULTING ENGINEERING

REPORT NO. 96

JAGORAWI HIGHWAY PROJECT
CONSULTING SUPERVISION SERVICES



Submitted by :

Larry G. Buntten

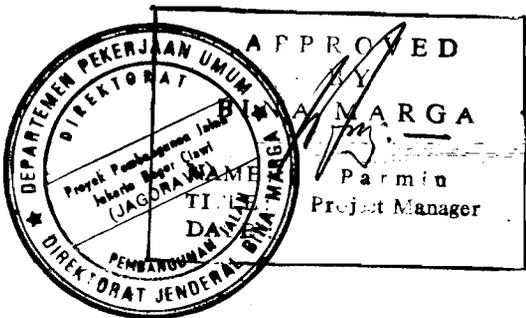
LARRY G. BUNTEN
Engineer in Charge

April 1982

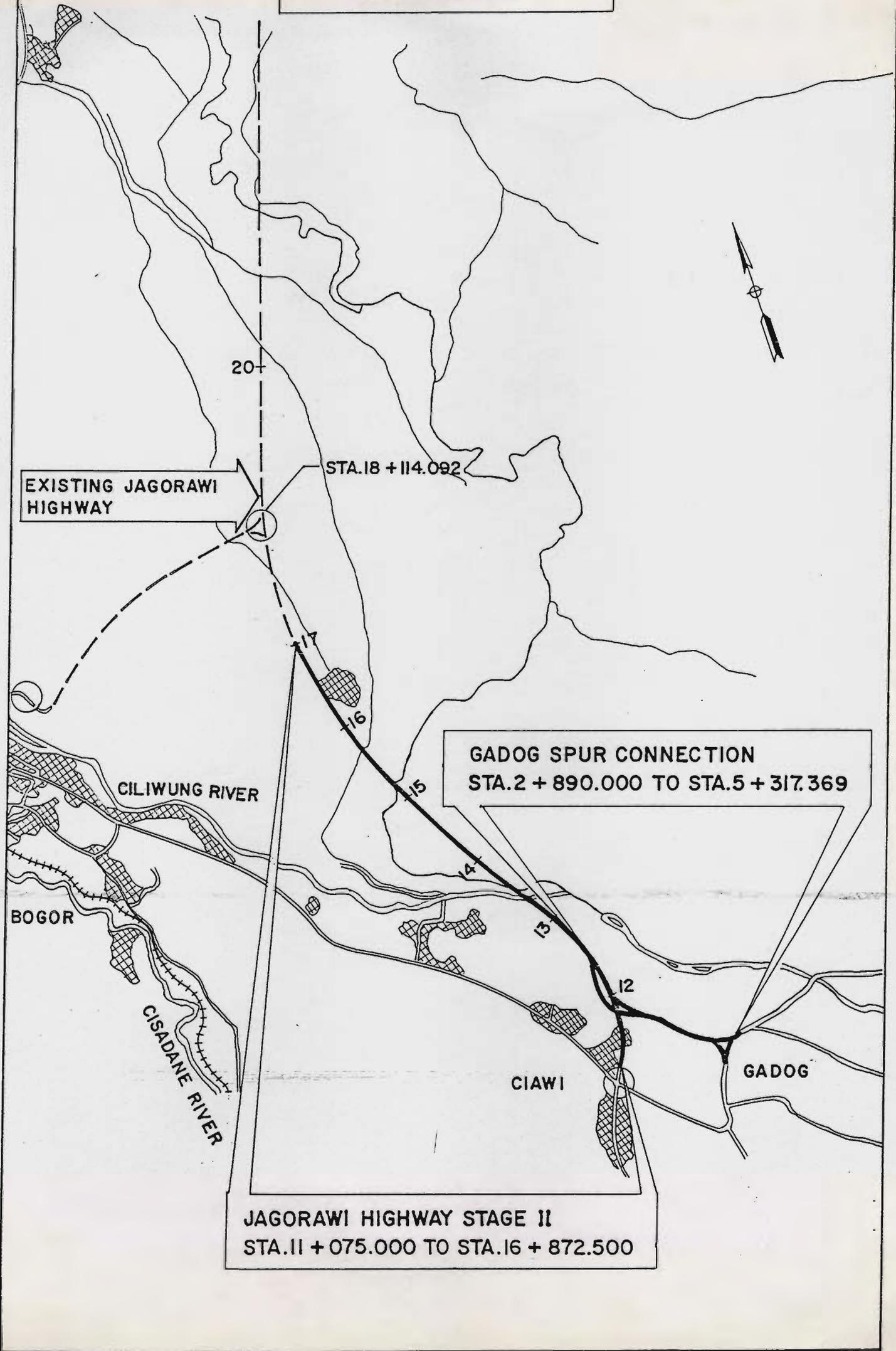
Prepared by :

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Engineering Associates, Inc.,
A Joint Venture

P.O. Box 44,
Bogor, Indonesia



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

TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE</u>
I.	..... <u>NARRATIVE SUMMARY</u>	1
	1. STAGE II CONSTRUCTION	1
	2. MAINTENANCE	1
II.	..... <u>PROBLEM AREAS</u>	2
	1. PROJECT FINANCE	2
	2. EQUIPMENT/PLANTS	2
III.	..... <u>ADMINISTRATION</u>	3
	1. SUBMITTALS/APPROVALS	3
	2. DECISIONS	3
	3. MAJOR CONFERENCES	3
	4. OFFICIAL VISITORS	4
	5. FINANCIAL OVERRUNS/UNDERRUNS	4
	6. CLAIMS	5
	7. LABOR PROBLEM	5
IV.	..... <u>ENGINEERING PROGRESS</u>	7
V.	..... <u>PROGRESS</u>	10
	1. PROGRESS	10
	2. RAINFALL	10
	3. PROGRESS VS SCHEDULE	10
VI.	..... <u>CONTRACTOR</u>	11
	1. CONSTRUCTION ACTIVITIES	11
	2. EQUIPMENT	11
	3. CONTRACTOR'S PERSONNEL	12
VII.	..... <u>MAINTENANCE</u>	13
VIII.	..... <u>PERSONNEL</u>	14
	1. ENGINEER	14
	2. INDONESIAN STAFF	15
IX.	..... <u>PHOTO SECTION</u>	
X.	..... <u>APPENDIX</u>	
	1. INCOMING CORRESPONDENCE.	
	2. OUTGOING CORRESPONDENCE.	
	3. LISTING OF CONTRACT CHANGE ORDERS.	
	4. STATUS OF FUNDS.	
	5. CONSTRUCTION PROGRESS CHART.	

SECTION I NARRATIVE SUMMARY

I. 1. STAGE II CONSTRUCTION

Work suspension on the part of ICCI continued throughout the month. An H-pile loading test was completed at Bridge Station 13.

Work progress remains at 13.00 percent vs 44.00 percent scheduled. The Contractor is about 9 months behind schedule.

Progress finance in the amount of Rp 2 billion has been agreed. Additional funding in the amount of Rp 90 million is on hand for protective work at bridge piers.

ICCI's failure to mobilize equipment and plants is becoming serious.

I. 2. MAINTENANCE

Jasa Marga has invited "Scan-Roads" of Singapore to visit the site and submit a proposal for implementing the fog seal program.

SECTION II PROBLEM AREAS

II. 1. . . . PROJECT FINANCE

Bina Marga has been successful in obtaining financing in the amount of Rp 2 billion for the project (see copy of Director of Construction letter to US/AID on the following page. If ICCI can now obtain a Government bank loan for an equivalent amount, sufficient funds will be available to carry the project through to the next fiscal year.

II. 2. . . . EQUIPMENT/PLANTS

ICCI was appointed contractor and given plans and specifications for Jagorawi Stage II two years ago (May 1980). To date, ICCI's management has made no apparent effort to obtain necessary equipment and plants for the project. The project can not be completed unless ICCI obtains a suitable crusher, concrete batching plant, transit mixer trucks, I-girder casting facilities, asphalt mixing plant and related paving equipment.

Bina Marga does not have the equipment and plants needed. Actually, Bina Marga, of late, has demobilized some Government-owned equipment from the Jagorawi Project for use on other works. Therefore, in order to assure that the Jagorawi Project will be completed, we feel that it is necessary for the Government to intervene and require the Government-owned Consortium member companies to support this project with necessary equipment and plants. Unless this is done, we have serious reservations as to whether this project will ever be completed.



DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL BINA MARGA

JALAN PATTIMURA NO. 20 PERC. 7 TELP. 711580 - 711636 - 772806 P.O. BOX 2731
KEBAYORAN BARU - JAKARTA

No. 60.04
DJ. 408/BM/1982

May 6, 1982.

Mr. William F. Fuller
Director USAID
The Embassy of the United States of America
Jakarta

Dear Mr. Fuller,

Re: Jakarta-Bogor-Ciawi Stage II Project,
Fund Allocation,

I am pleased to inform you that after discussion with the Director General of Internal Monetary Affairs, the Government of Indonesia has provided the bridging financing of the JAGORAWI Stage II Project for the fiscal year 1982-1983, with a total amount of Rp 2.000.000.000,- effective since May 1982.

It is Bina Marga's assurance that, immediately after realization of this budget allocation, ICCI should be able to resume the works accordingly. Furthermore, ICCI would undoubtedly obtain a loan from the Bank Negara Indonesia 1946.

Your understanding on this matter would be very much appreciated, and please let me know if this information meets USAID's satisfaction for further consideration to participate to the completion of JAGORAWI Stage II Project.

With best regards,

Sincerely yours,

Suryatin Sastromijoyo.
Director-General.

RENC/SS/bs.060582

SECTION III ADMINISTRATION

III. 1. . . . SUBMITTALS/APPROVALS

The Engineer's Dollar Invoices No. 85 & No. 86 for March and No. 87 for April have been submitted to, and approved by Bina Marga. The Engineer's Rupiah Invoices No. 97 and 97-A for March were submitted to Bina Marga. Bina Marga has not approved any invoices for the Engineer since April 1981; however, Bina Marga has now provided full advances for all outstanding rupiah invoices (except invoices for finance charges) thru March 1982 (see Section III. 5 following). The Contractor did not submit an invoice for April.

The Contractor submitted a request for additional right of way at Station 4+376 to facilitate his construction activities. The plan is under review by the Engineer.

The Contractor submitted another claim, this time for additional costs for constructing haul roads under bridges. This matter is pending.

III. 2. . . . DECISIONS

Bina Marga has informally advised that Jasa Marga/RDI have now agreed to provide financing for Jagorawi for the 1982-83 fiscal year.

The Engineer rendered a ruling requiring ICCI to pay electrical costs for the office addition and housing until such time as these units are accepted by the Engineer/Bina Marga.

III. 3. . . . MAJOR CONFERENCES

Project meetings were attended by representatives of ICCI, Bina Marga and the Engineer on April 1st and 23rd. During the latter meeting, Bina Marga advised that loan funds of Rp 90,000,000 have been obtained for ICCI's use in constructing bridge protective works. An additional Rp 95,000,000 will also be required.

SECTION III ADMINISTRATION

III. 3. MAJOR CONFERENCE (Cont'd)

Meetings with Jasa Marga were held on April 6th and 29th to discuss the fog sealing program. In the latter meeting, Jasa Marga advised that "Scan-Roads" of Singapore would be invited to submit a proposal for the work.

A meeting of the Project Manager, Mr. Subaru, and the EIC was held on April 23rd. A procedure for invoicing of finance charge was resolved. Mr. Subaru also advised that Jasa Marga/RDI had agreed to provide financing for Jagorawi as reported earlier.

III. 4. OFFICIAL VISITORS

Philip Tjakranata of US/AID visited the project this month.

III. 5. FINANCIAL OVERRUNS/UNDERRUNS

A) CONTRACTOR

Following is a summary of invoicing by the Contractor vs payments provided by Bina Marga.

<u>Invoice No.</u>	<u>Period</u>	<u>Amount of Invoice</u>	<u>Bina Marga</u>	<u>Expense Reported</u>
1	Advance 1981	1,207,500,000	800,000,000	0
2	Thru June	89,119,176	89,119,176	216,283,000
3	J u l y	90,792,037	0	69,510,000
4	August	3,400,241	3,400,241	16,511,000
5	September	71,894,479	0	49,430,000
6	October	291,967,260	0	243,154,065
7	November	168,368,956	0	213,205,701
8	December	32,225,090*	0	56,688,719
9	January 1982	18,217,765*	0	34,732,653
-	February	0	0	0
-	M a r c h	0	0	0
-	April	0	0	0
		<u>1,973,486,004</u>	<u>892,519,417</u>	<u>899,515,138</u>

*Invoices have not been certified by the Engineer.

SECTION III ADMINISTRATION

III. 5. . . . FINANCIAL OVERRUNS/UNDERRUNS (Cont'd)

A) CONTRACTOR (Cont'd)

The Contractor's December and January invoices have not been certified because the Contractor has not submitted receipts of payment for reinforcing steel on hand which had previously been invoiced (Rp 71 million).

B) ENGINEER

Bina Marga has now provided advances for Rupiah Invoices No. 87, May 1981 thru 97, March 1982 excluding invoices 94-A, 95-A, 96-A and 97-A. The four invoices cover finance changes. The method of calculating the changes are under discussion.

III. 6. . . . CLAIMS

A) Quarry Claims

ICCI appears to have accepted the Engineer's ruling on this claim but by the end of the month had not dug any exploratory test pits at the quarry.

B) Haul Roads Under Bridges

The Contractor submitted a vague claim for additional compensation for constructing haul roads under bridges. No costs nor reasons were given.

III. 7. . . . LABOR PROBLEM

The Engineer received a letter from an ICCI workman which stated that ICCI's project management was not complying with labor legislation regarding terminations, payment of overtime, and benefits. Apparently, the dispute has been submitted to the Bogor Labor Office for resolution.

SECTION III ADMINISTRATION

III. 7. LABOR PROBLEM (Cont'd)

The Engineer advised ICCI that the Contract requires ICCI to comply with labor legislation. Also, the Engineer checked ICCI's bid price breakdown and determined that the compensation for labor provided in the contract is more than adequate for payment of minimum required wages, overtime, benefits, etc.

If we may editorialized -- we feel that it is very poor decision on the part of ICCI's project management to alienate workmen by hedging (allegedly) on wages. This could lead to work slow-downs and other work disruptions.

SECTION IV ENGINEERING PROGRESS

IV. Because of the Contractor's work suspension, there was little field activity, except for inspection and monitoring of the H-pile load test at Bridge Station 13. The Lab crew assisted Bina Marga with experimental work on their NACAS seal coat program.

The Senior Bridge Engineer is making a structural evaluation on the effect of truck overloads on bridge superstructures.

Plans for constructing an emulsion mixing tank for the fog seal program were prepared for Jasa Marga.

A technical report on muck consolidation methods was prepared for Bina Marga.

The Engineer has agreed to prepare a shop plan for the RCB at Station 3+900 for ICCI for demonstration purposes, and this plan was under preparation this month.

A haul road plan requiring additional right of way at Station 4+376 was submitted by the Contractor and is under study by the Engineer.

Results of the H-pile loading test follow.

BRIDGE STA. 13 + 587

PIER # 5

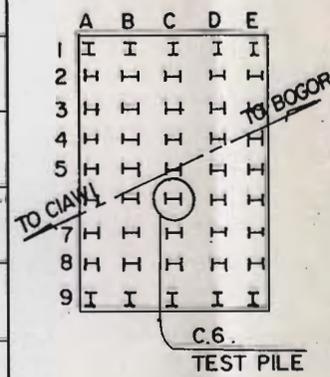
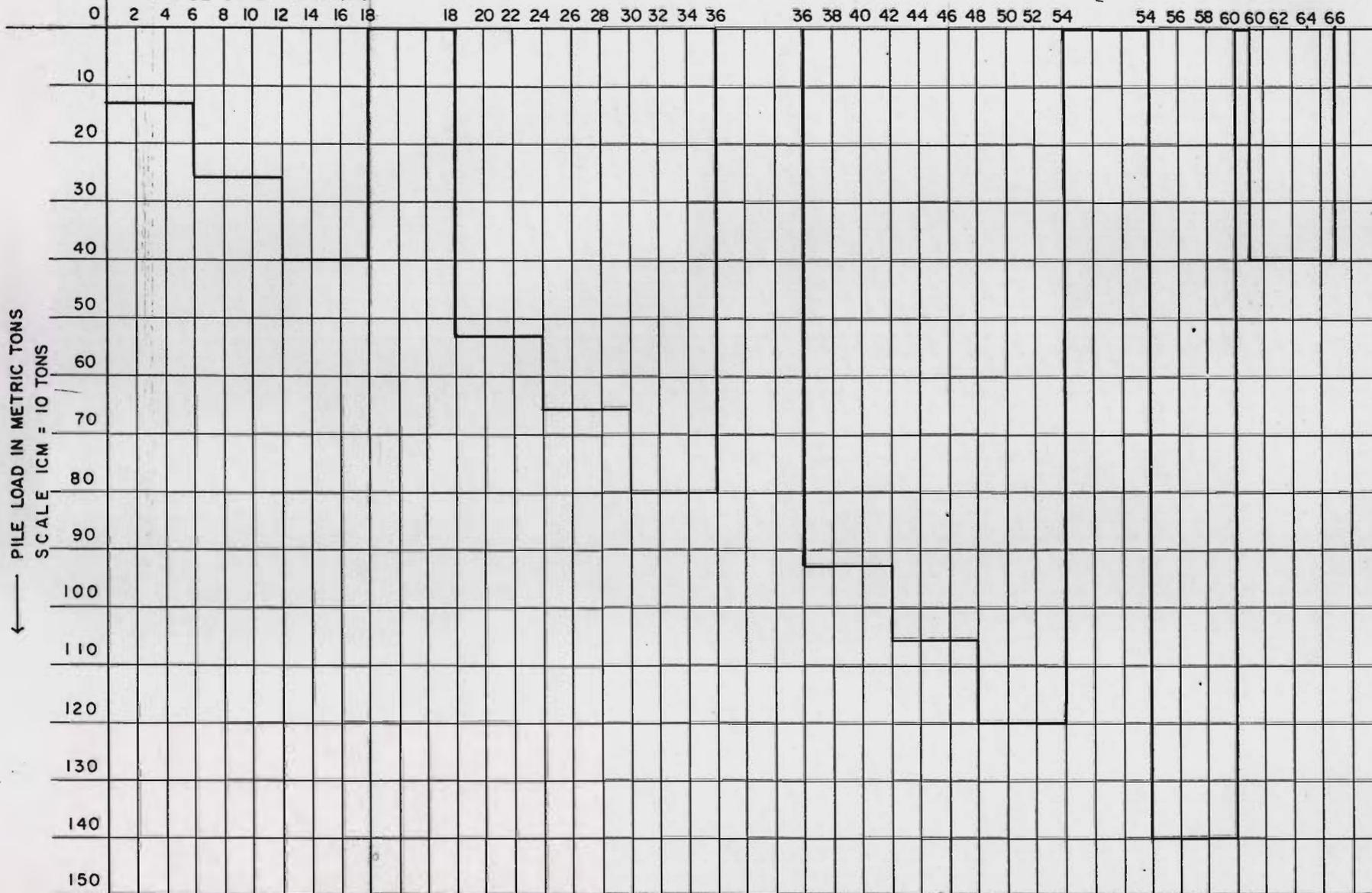
APRIL 27, 1982 → 06⁰⁰ - 24⁰⁰

APRIL 28, 1982 → 06⁰⁰ - 24⁰⁰

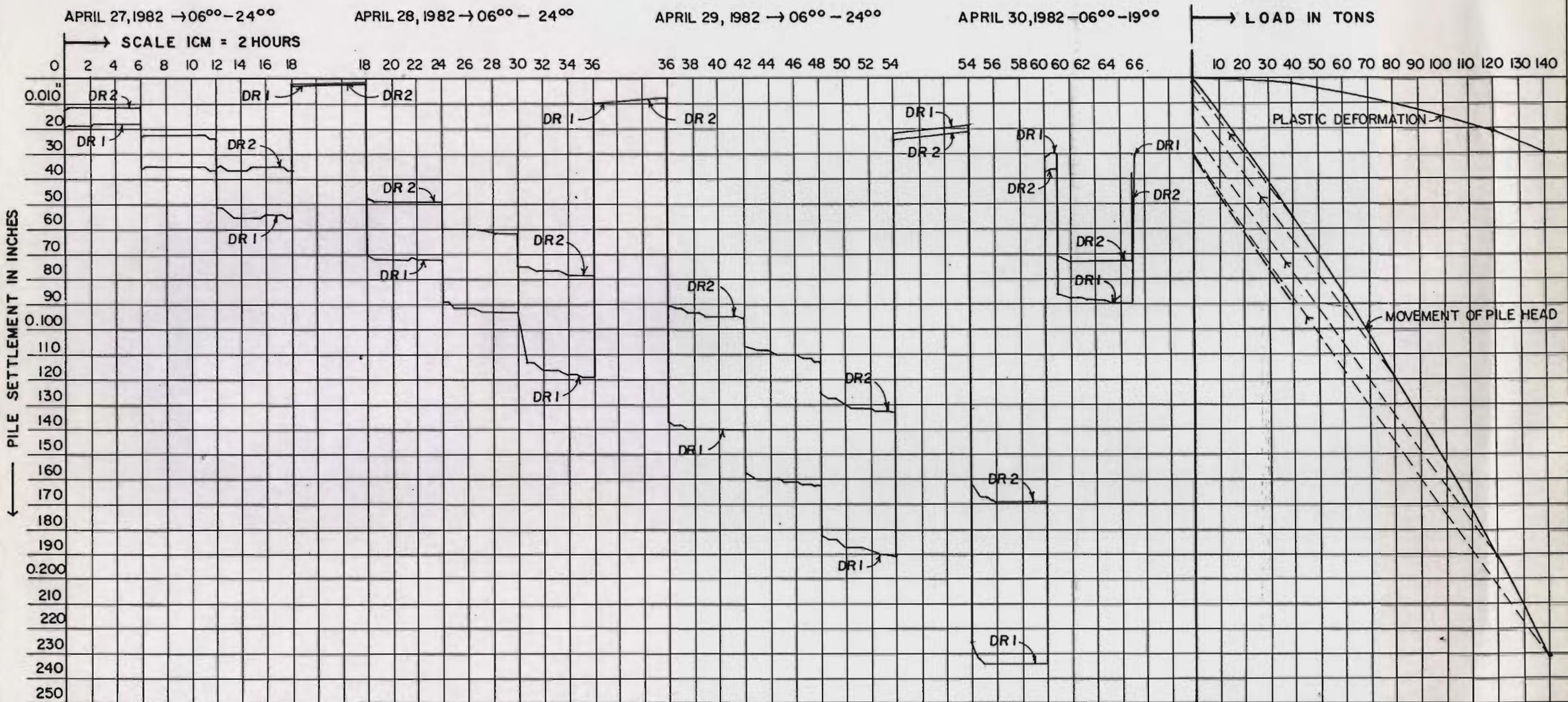
APRIL 29, 1982 → 06⁰⁰ - 24⁰⁰

APRIL 30, 1982 → 06⁰⁰ - 19⁰⁰

SCALE 0.5 CM = 2 HOURS



BRIDGE STA. 13+587 PIER # 5



SECTION V PROGRESS

V. 1. PROGRESS

A pile loading test was completed at Bridge Station 13. This was the only work in progress. A minor amount of equipment was demobilized for use on a "high rise" project. ICCI reports that about 80 project personnel will be transferred to ICCI projects in the Middle East.

V. 2. RAINFALL

Weather continued to be excellent, with light rains usually occurring in the afternoon. It is unfortunate that the Contractor is not working during this good weather.

RAINFALL DURING APRIL

	<u>April</u>	<u>Ave for Project Location</u>
No. rain days	28	17.6
Max. rain in 24 hour	73.8 mm	-
Total rainfall	632.8 mm	355.6
Lost days due to rain	11	-
Accumulative lost working days	124	-

V. 3. PROGRESS VS SCHEDULE

The Contractor had scheduled 5.25 percent progress for April. The only progress made was completion of one load test which was offset by further demobilization. Thus, slippage was 5.25 percent this month.

Overall progress scheduled is 44.0 percent vs 13.0 percent actual completion. Thus, the Contractor is 31.0 percent behind schedule or about 9 months.

SECTION VI CONTRACTOR

VI. 1. CONSTRUCTION ACTIVITIES

One load test was completed at Bridge Station 13. Some progress on shop plans, change orders and replying to correspondence was accomplished.

VI. 2. EQUIPMENT

Bina Marga has advised that ICCI signed an equipment rental agreement during January. However, an equipment guarantee has not been submitted.

Some minor equipment was transferred to ICCI's "high rise" project. Following is a list of equipment on site as of the end of April.

APPROVED EQUIPMENT LIST

EQUIPMENT MOBILIZED THRU APRIL 1982

NO.	DESCRIPTION	QT'Y	CAPACITY	BRAND NAME/TYPE	QT'Y	N A M E	R E M A R K S
1	Bull Dozer	1	320 HP	Komatsu D-155	1	Komatsu D-155	Bina Marga
2	Bull Dozer	2	220 HP	Komatsu D-85	2	Cat-D7G	Bina Marga
3	Bull Dozer	3	140 HP	Komatsu D-65	2	Komatsu D-53-A	Bina Marga
4	Track Loader	2	1.6 cu.M	Komatsu D-75-S	1	Komatsu D-57-S	Bina Marga
5	Motor Grader	3	----	Komatsu GD-600-R	3	Komatsu GD-600-R	Bina Marga
6	Wheel Loader	6	1.6 cu.M	Fiat Allis	2	Fiat Allis 605-B	Bina Marga (1 ea borrowed by CCS March 26th)
7	Dump Truck	50	5 tons	Isuzu TX-40	22	Isuzu TX-40	Bina Marga (3 ea borrowed by ICCI's High Rise Apr. 27th thru Apr. 30th)
8	Dump Truck	-	----	----	2	Isuzu TLD-54 (3 tons)	Bina Marga (1 ea returned to Bina Marga on April 19th).
9	Sheep Foot Roller	2	17 tons	Caterpillar 815	1	Cat-815	Bina Marga
10	Vibratory Roller	2	9 tons	SP-42, SP-54 (Rex)	1	Ca 25-PD	PT ICCI
11	Tandem Roller	3	12 tons	S a k a i	-	---	--
12	Rubber Tired Roller	2	8-12 tons	Sakai/Tanaka	-	---	--
13	Water Tank Truck	3	4,000 lt.	Hino, Toyota	-	----	--
14	T r a i l e r	2	30 tons	I s u z u	-	---	--
15	Back Hoe	2	0.6 cu.m.	Int. Jumbo/Pool	-	---	--
16	Back Hoe	1	1.6 cu.m.	Int. Jumbo/Pool	-	---	--

APPROVED EQUIPMENT LIST					EQUIPMENT MOBILIZED THRU APRIL 1982		
NO.	DESCRIPTION	QT'Y	CAPACITY	BRAND NAME/TYPE	QT'Y	N A M E	R E M A R K S
17	Farm Tractor	2	--	K o m a t s u	-	---	----
18	Crusher & Screening Plant	1	100 ton/hr	Kobe	-	---	Hutama Karya plant erected. Agreement to subcontract. Pending.
19	Crusher & Screening Plant	2	30 ton/hr	Kang Won	2	Kang Won	Bina Marga (incl. Gen Sets)
20	Sand Washer	2	--	S a k a i	-	---	----
21	Water Pump	10	Ø 4"	Y a n m a r	9	Tsurumi Ø 4" KTV-37L (3) Alcon Ø 2" (1) Kawamoto Ø 3" (1) Yanmar TS-80 Ø 4" (4)	PT ICCI PT ICCI PT ICCI PT ICCI
22	Generator, Set	2	90 KVA	Mercedesz	-	---	----
23	Generator, Set	1	50 KVA	Mercedesz	1	P e r k i n s	PT ICCI
24	Generator, Set	3	10 KVA	K u b o t a	3	Yanmar, 7.5 KVA (2) Stamford 3152, 25 KVA	PT ICCI
25	Asphalt Mixing Plant	1	90 ton/hr	S i m e s s e	-	---	----
26	Asphalt Finisher	2	60-100 t/hr	Allat C-300	-	---	----
27	Asphalt Hand Sprayer	2	600 lt.	L o c a l	-	---	----
28	Asphalt Distributor	1	4,000 lt.	Marini	-	---	----
29	Pavement Breaker	6	2 ³ / ₆₄ lt.	BR-20-Ingersoll Rand	3	TPB-60	ICCI (1 ea borrowed by ICCI's High Rise on April 30th).
30	Pavement Saw	1	80 m/sec.	W a c k e r	-	---	----

APPROVED EQUIPMENT LIST					EQUIPMENT MOBILIZED THRU APRIL 1982		
NO.	DESCRIPTION	QT'Y	CAPACITY	BRAND NAME/TYPE	QT'Y	N A M E	R E M A R K S
31	Road Marking Machine	1	---	M a r i n i	-	---	--
32	Aggregate Drier	2	45 tons	Sakai/Tanaka	-	---	--
33	Power Broom	1	20 HP	Mitsubishi	-	---	--
34	Chips Spreader	1	---	E t n i r e	-	---	--
35	Compressor	2	600 cfm	Broomwade	1	Broomwade - Stamford STV-25, 250 cfm	PT ICCI
36	Mechanical Hand Stamper	10	---	TV-808	2	Mikasa MTR-120	PT ICCI
37	Spreader Box	1	---	E t n i r e	-	---	--
38	Aggregate Cold Bins	4	5 cu.m.	L o c a l	-	---	--
39	Forklift	1	3.5 tons	Komatsu	1	TCM-VD-30	PT ICCI (borrowed by ICCI's High Rise on February 20th)
40	Truck Crane	2	40 tons	P & H Linkbelt	-	---	--
41	Crawler Crane	2	75 tons	P & H 550	2	P&H 550 (50 tons) LS-78 J (20 tons)	Bina Marga Bina Marga
42	Tire Crane	2	10 tons	H a l l a	-	---	--
43	Diesel Hammer	2	7 ton/80 HP	---	-	---	--
44	Pile Hammer	1	1200-1500 mkg	P & H Linkbelt	-	---	--
45	Pile Hammer	1	3000-3500 mkg	P & H Linkbelt	-	---	--
46	Batching Plant	1	35 cu.m/hr	Lambert	-	---	Being erected at Sentul, Mutama Karya. Agreement to subcontract pending.
47	Concrete Transit Mixer	4	5 cu.m	Isuzu	-	---	--

APPROVED EQUIPMENT LIST					EQUIPMENT MOBILIZED THRU APRIL 1982		
NO.	DESCRIPTION	QT'Y	CAPACITY	BRAND NAME/TYPE	QT'Y	N A M E	R E M A R K S
48	Concrete Mixer	1	750 lt.	Winget	3	1 ea Golden Star, 3/4 cu.m. 1 ea Hercules, 0.3 cu.m. 1 ea Golden Star, 0.45 cu.m.	PT ICCI PT ICCI PT ICCI
49	Concrete Bucket	2	500 lt.	----	-	---	----
50	Concrete Buggies	10	50 lt.	----	-	---	----
51	Concrete Intern. Vibrator	14	Ø 3"	M i k a s a	2	M i k a s a	PT ICCI
52	Concrete Intern. Vibrator	12	Ø 1½"	M i k a s a	2	M i k a s a	PT ICCI
53	J e e p	7	--	Daihatsu Taft	7	Daihatsu Taft	PT ICCI
54	Pick Up	1	--	Chevrolet Luv	1	Chevrolet Luv	PT ICCI
55	Mini Bus	1	--	Toyota Hi Ace	1	Toyota Hi Ace	PT ICCI
56	S e d a n	1	--	Toyota Corolla	-	---	----
57	Motor Cycle	11	--	Honda CB-100	3	Honda CB-100 KS	PT ICCI
58	W i n c h	1	2T	Ingersoll-Rand K5UL	-	---	----
	<u>SURVEY EQUIPMENT</u>						
59	Level plus Support Equip.	3	--	N i k k o n	2	N i k k o n	PT ICCI
60	Transit plus Supp. Equip.	2	--	Nikkon & Wild	2	W i l d	PT ICCI

APPROVED EQUIPMENT LIST					EQUIPMENT MOBILIZED THRU APRIL 1982		
NO.	DESCRIPTION	QT'Y	CAPACITY	BRAND NAME/TYPE	QT'Y	N A M E	R E M A R K S
<u>PRECASTING EQUIPMENT</u>							
61	RCP Form Ø 60 cm	10	--	Local	10	Local	PT ICCI
62	RCP Form Ø 80 cm	5	--	Local	5	Local	PT ICCI
63	RCP Form Ø 120 cm	1	--	Local	1	Local	PT ICCI
64	External Conc. Vibrator	4	--	Wacker Arem 055	9	3 ea Mikasa 1.5 HP 6 ea Wacker 6.9 KVA	PT ICCI PT ICCI
65	PCP Form Ø 20 cm	50	--	Local	51	Made in Bogor	PT ICCI
66	Truck Crane	1	3 tons	T a d a n o	-	----	---
67	Prestressing Unit Equip.	1	200 tons	---	-	----	---
68	Generator, Set	1	300 KVA	M e r c e d e s z	-	----	---
<u>WORKSHOP ACCESSORIES</u>							
69	Welding Machine	2	250-400A	L i n c o l n	2	Miller Denyo	PT ICCI PT ICCI
70	G r i n d e r	2	--	Black & Decker	4	M i t s u b i s h i	PT ICCI
71	D r i l l	1	--	Black & Decker	1	H i t a c h i	PT ICCI
72	Bar Cutter	1	--	Black & Decker	2	Kubota German	PT ICCI PT ICCI
73	J a c k	2	25 tons	Black & Decker	2	2 ton Black & Decker 5 ton Black & Decker	PT ICCI PT ICCI
74	Fuel Tank	2	10,000 lt.	Local	3	1 ea Local (8,000 lt) 2 ea Local (10,000 lt)	PT ICCI PT ICCI
75	C o m p r e s s o r	1	200 cfm	H o n d a	-	----	---
76	Generator, Set	1	150 KVA	M e r c e d e s z	1	Peter (12.5 KVA)	Bina Marga
77	Service Car	2	--	M i t s u b i s h i	-	----	---
78	T o r c h	2	--	---	1	Penguin	PT ICCI
79	-----	-	--	---	10	Philips Hall. lights	PT ICCI
80	Batching Plant	-	--	---	2	Viking DBW 14 (700 kg)	PT ICCI
81	Welding Transformer	-	--	---	1	Bergin, 300 Amp.	PT ICCI (borrowed by ICCI's High Rise on April 30th)

SECTION VI CONTRACTOR

VI. 3. . . . PERSONNEL

ICCI has advised that about 50 project personnel will be transferred to projects in the Middle East. ICCI did not submit a manpower report for April.

SECTION VII MAINTENANCE

VII. A joint meeting of Jasa Marga, Bina Marga and the Engineer was held on April 6th. The Engineer presented sketch plans for constructing an emulsion mixing tank for fog seal work. It was decided that Jasa Marga will proceed with fog sealing of Jagorawi provided an acceptable source of emulsion is located. The Joint Venture will supervise the fog seal work and the pavement restriping.

In a later meeting of April 29th, Jasa Marga advised that the local source of asphaltic emulsion would probably not be acceptable. Jasa Marga has invited "Scan-Roads" of Singapore to visit the site in May and submit a proposal for fog sealing.

SECTION VIII PERSONNEL

VIII. 1. . . . ENGINEER

The following Expatriate manmonth status includes manmonth approvals authorized thru Amendment No. 8 and letter modifications.

EXPATRIATE MANMONTH STATUS
(Through Statement No. 86)

	(1)	(2)	(3)	(4)	(5)	(6)
<u>Position</u>	<u>M-M Thru Apr. '82</u>	<u>M-M Approved by Contract</u>	<u>M-M Rev'd by Letter Auth.*</u>	<u>Total App'd M-M (2+3)</u>	<u>M-M Remaining (4-1)</u>	<u>Date Complete</u>
PRINCIPAL	6.47	7.00	0	7.00	0.53	-
SPECIALIST	10.43	13.00	0	13.00	2.57	-
ENGR. IN CHARGE	102.15	102.50	+ 5.00	107.50	5.35	Sept.25, '82
SEN. BRD. ENGR.	63.34	64.00	+ 6.00	70.00	6.66	Nov. 15, '82
SEN. CONST/PAV. ENGINEER	7.67	15.00	+ 1.50	16.50	8.83	Jan. 15, '83
SEN. HWY. ENGR.	4.34	15.00	(-)10.50	4.50	0.16	Dec. 26, '81
O T H E R S	<u>370.81</u>	<u>373.00</u>	<u>(-) 2.00</u>	<u>371.00</u>	<u>0.19</u>	<u>-</u>
	565.21	589.50	0	589.50	24.29	-

Note : Redistribution of manmonths are to be covered by contract amendment. It is not certain the US/AID will approve this amendment.

*See Bina Marga letters BM-33/E dated May 29, 1981 and HL 01 01/DP.753 dated December 8, 1981 and EIC letter 765/P-022/BM dated November 20, 1981.

SECTION VIII PERSONNEL

VIII. 2. . . . INDONESIAN PERSONNEL

There were no further reductions in staffing during April.

BINA MARGA COUNTERPARTS

- | | | |
|----|------------------|--|
| 1. | Mr. Hadi Suwahyo | Counterpart Sen. Construction/
Paving Engineer. |
| 2. | Mr. Gono Sarpo | Counterpart Senior Materials
Engineer. |
| | ---- | Counterpart Deputy Resident
Engineer. |
| | ---- | Counterpart Sen. Bridge Engr. |

FIELD PERSONNEL

- | | | |
|-----|-------------------|--|
| 3. | Mr. Atang Suryana | Party Chief (Archicons),
November 24, 1980. |
| 4. | Mr. Jenal Mamad | Chainman,
September 8, 1980. |
| 5. | Mr. Sarji Sarjono | Instrumentman,
September 8, 1980. |
| 6. | Mr. Ato Toha | R o d m a n ,
September 8, 1980. |
| 7. | Mr. Susilo Budi | Lab Aide,
September 18, 1980. |
| 8. | Mr. Saman | Lab Aide,
October 1, 1980. |
| 9. | Mr. Joko Purnomo | Senior Materials Inspector (Ar-
chicons), July 1, 1980. |
| 10. | Mr. Joko Sartono | Bridge Inspector (Archicons),
July 16, 1981. |
| 11. | Mr. Dones | Bridge Technician (Archicons),
September 1, 1981. |

OFFICE TECHNICAL PERSONNEL

- | | | |
|-----|--------------------|--|
| 12. | Mr. Akhmad Khudori | Office Engineer (Archicons),
September 2, 1980. |
| 13. | Mr. Parmono | Draftsman (Archicons),
October 2, 1980. |
| 14. | Mrs. Widiyaningsih | Highway Technician,
June 8, 1981. |

SECTION VIII PERSONNEL

VIII. 2. . . . INDONESIAN PERSONNEL (Cont'd)

ADMINISTRATIVE PERSONNEL

15.	Mr. Sukardi Wahyudi	Administrative Manager, July 1, 1980.
16.	Mr. John Golluwola	Secretary, July 1, 1980.
17.	Mrs. Onny Pratiwi	Clerk/Typist, July 1, 1980.
18.	Mrs. Herny Widodo	Bookkeeper, July 1, 1980.
19.	Mr. Suryoseputro	Accountant, July 1, 1980.
20.	Mr. Irkin	Mechanic, July 1, 1980.
21.	Mr. Ujang bin Tawi	Office Janitor, July 1, 1980.
22.	Mr. Lily Sulaeman	Security Guard, July 1, 1980.
23.	Mr. Ismail	Security Guard, July 1, 1980.
24.	Mr. Enan Setiana	Chief Security Guard, October 1, 1980.
25.	Mr. Sa'i Hidayat	Security Guard, October 1, 1980.
26.	Mr. Sanan	Gardener, October 13, 1980.
27.	Mr. Ayi Sukardi	Driver, July 24, 1981.
28.	Mrs. Sri Soebianto	Clerk/Typist, August 1, 1981.
29.	Mr. Didi	Driver, August 20, 1981.
30.	Mr. Ido Suhada	Driver, September 1, 1981.

This month	.....	30
Previous	.....	<u>691</u>

Total 721

Authorized Amendment No. 9
thru April 1982 1224

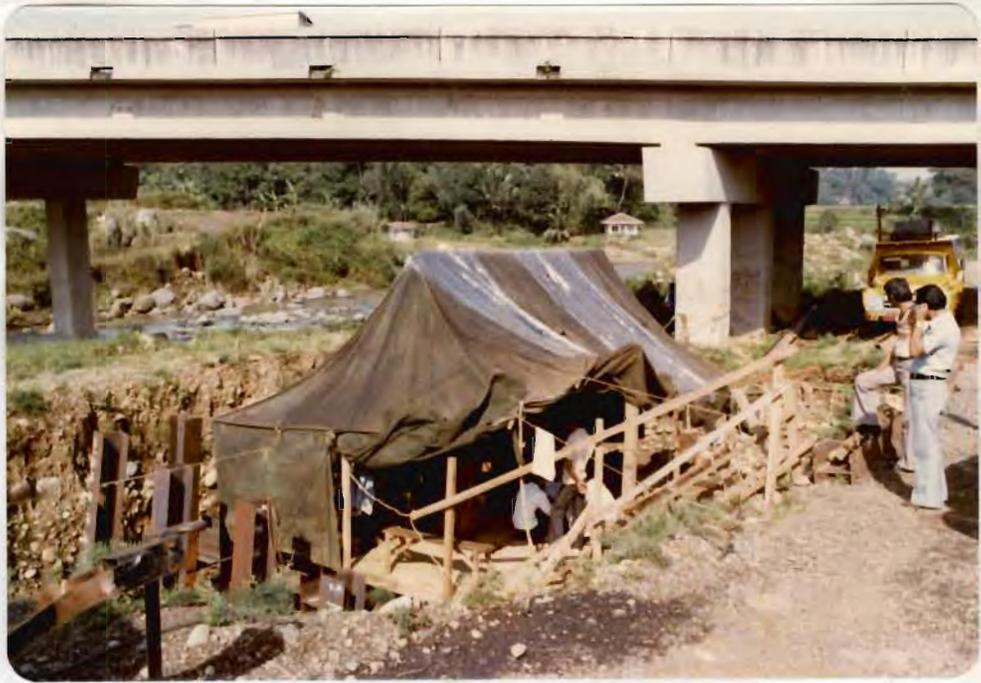
Vehicle Months

Expended thru April 1982	.....	174
Authorized by Amendment No. 9	....	271

SECTION IX

PHOTO SECTION

H-pile
load test
at Bridge
Station 13



Panels
of
Contractor's
shelter
have been
stolen by
vandals.
Sta. 14+932



Overloaded
cement
truck.
Note
single
drive
axle.



Maintenance Meeting



Left to right :
Mr. Gono Sarpo
Mr. Parmin
Mr. Caldwell
Mr. Buntin
Mr. Abidin



Maintenance Meeting



SECTION X

A P P E N D I X

SECTION X APPENDIX

X. 1. INCOMING CORRESPONDENCE

<u>No.</u>	<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
1.	PT ICCI	List of Equipment Report.	Mar. 31, 1982
2.	PT ICCI	Slope Stake Notes.	Apr. 1, 1982
3.	PT ICCI	Rainfall Data.	Apr. 1, 1982
4.	PT ICCI	Traffic Accident.	Apr. 1, 1982
5.	PT ICCI	Surveys on Bridge Sta. 13+589.	Apr. 1, 1982
6.	PT ICCI	Control on Slope Stake.	Apr. 1, 1982
7.	PT ICCI	Proposal for Additional ROW at Sta. 4+376.	Apr. 1, 1982
8.	PT ICCI	Correction on Slope Stake Data.	Apr. 2, 1982
9.	Bina Marga	Withdrawal of D 815 (Sheep Foot Roller).	Apr. 2, 1982
10.	Bina Marga	Request of Loan to Supply H-pile Protection.	Apr. 2, 1982
11.	Bina Marga	Approved Engineer's Dollar Invoice No. 84/1982.	Apr. 5, 1982
12.	PT ICCI	Payment of Overtime Deficiencies.	Apr. 5, 1982
13.	PT ICCI	Minutes of the Project Meeting of April 1, 1982.	Apr. 6, 1982
14.	PT ICCI	Final Warning.	Apr. 7, 1982
15.	PT ICCI	Labor Complaint.	Apr. 8, 1982
16.	PT ICCI	Truck Isuzu Diesel B-8750-FM.	Apr. 8, 1982
17.	PT ICCI	Report on Contractor's Use of Air Compressor.	Apr. 10, 1982
18.	Bina Marga	Extension of Bank Guarantee and Advance Guarantee.	Apr. 12, 1982
19.	PT ICCI	Revised Drainage Plans, Gadog Spur.	Apr. 14, 1982
20.	PT ICCI	Acknowledgement.	Apr. 14, 1982
21.	PT ICCI	Revised Page 4 for Amendment No. 1 (Pending).	Apr. 14, 1982
22.	PT ICCI	Acknowledgement of Letter.	Apr. 14, 1982

SECTION X APPENDIX

X. 1. INCOMING CORRESPONDENCE (Cont'd)

<u>No.</u>	<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
23.	PT ICCI	Load Test.	Apr. 14, 1982
24.	Bina Marga	Transmittal of Approved Engineer's Dollar Invoice No. 85/1982.	Apr. 16, 1982
25.	Bina Marga	Finance Charges.	Apr. 19, 1982
26.	Bina Marga	Your Invoice No. 97 for the Month of March : Mr. Grosses per diem.	Apr. 20, 1982
27.	Bina Marga	Transmittal of Approved Dollar Invoice No. 86/1982.	Apr. 20, 1982
28.	PT ICCI	Class of Reinforced Concrete Pipe.	Apr. 20, 1982
29.	PT ICCI	Removal of Fence Sta. 12+000 to 12+500 (Right Side).	Apr. 20, 1982
30.	PT ICCI	Payment of Electrical Power Bills for the Engineer's Office and Housing Prior to Acceptance.	Apr. 20, 1982
31.	PT ICCI	Unacceptable Clearing and Grubbing.	Apr. 20, 1982
32.	PT ICCI	Centerline Survey Control Monuments.	Apr. 20, 1982
33.	PT ICCI	Overtime and Official Correspondence.	Apr. 20, 1982
34.	PT ICCI	Superelevation Transition Ciawi Mainline.	Apr. 20, 1982
35.	PT ICCI	Discharge and Removal of Unsuitable Material at Sta. 15+700 to Sta. 16+050.	Apr. 20, 1982
36.	PT ICCI	Question on Possible Change of Reinforcement Design for RCB Culvert at Gadog.	Apr. 22, 1982
37.	PT ICCI	Notes on Slope Stakes.	Apr. 22, 1982
38.	PT ICCI	Safety Procedure.	Apr. 22, 1982
39.	PT ICCI	Load Test.	Apr. 22, 1982
40.	PT ICCI	Rainfall Data for March 1982.	Apr. 22, 1982

SECTION X APPENDIX

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

<u>No.</u>	<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
41.	PT ICCI	Survey Elevation at the Right Side Edge of Pavement at the Existing Ciawi Mainline.	Apr. 22, 1982
42.	Bina Marga	Acknowledgement of Advances.	Apr. 27, 1982
43.	Bina Marga	Safety for Bridge Works, Jagorawi Stage II.	Apr. 28, 1982
44.	Bina Marga	1. Project Payments for Sub-contractor. 2. Finance Rate.	Apr. 29, 1982

SECTION X APPENDIX

X. 2. OUTGOING CORRESPONDENCE

<u>No.</u>	<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
1.	Bina Marga	Evaluation Report on Truck Overloads on Jagorawi.	Apr. 2, 1982
2.	Bina Marga	Contractor's Equipment Use, February 26th thru March 25th.	Apr. 2, 1982
3.	PT ICCI	Labor Complaint.	Apr. 2, 1982
4.	Bina Marga	Notification of Shipment of Lab Equipment.	Apr. 2, 1982
5.	Bina Marga	Project Finance.	Apr. 3, 1982
6.	PT ICCI	Acknowledgement of Letter.	Apr. 3, 1982
7.	PT ICCI	Acknowledgement of Letter.	Apr. 3, 1982
8.	JV - NYC	Weekly Administrative Report No. 370.	Apr. 3, 1982
9.	Mr. Russo	Transmittal of Approved Dollar Invoice No. 84 for March.	Apr. 6, 1982
10.	Bina Marga	ICCI Labor Problems.	Apr. 6, 1982
11.	Bina Marga	Submittal of Engineer's Dollar Invoice No. 85 Extra No. 1 for March.	Apr. 6, 1982
12.	Bina Marga	Meeting with Jasa Marga on Fog Seal.	Apr. 7, 1982
13.	Bina Marga	Submittal of Dollar Invoice No. 86 Extra No. 2 for March.	Apr. 7, 1982
14.	Bina Marga	Notes of Project Meeting.	Apr. 7, 1982
15.	Bina Marga	Reference Data for Muck Consolidation on Jagorawi.	Apr. 10, 1982
16.	PT ICCI	Comments on Labor Rates.	Apr. 10, 1982
17.	PT ICCI	Payments of Electrical Power Bills for Engineer's Office and Housing Prior to Acceptance.	Apr. 10, 1982
18.	Bina Marga	Submittal of Engineer's Rupiah Invoice No. 97 for March.	Apr. 10, 1982
19.	JV - NYC	Weekly Administrative Report No. 371.	Apr. 10, 1982

SECTION X APPENDIX

X. 2. OUTGOING CORRESPONDENCE (Cont'd)

<u>No.</u>	<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
20.	JV - NYC	Rupiah Audit Reports for the 6-Month Period Ending December 31, 1980 and June 30, 1981.	Apr. 12, 1982
21.	PT ICCI	Slope Stake Notes.	Apr. 12, 1982
22.	Bina Marga	EIC letter to Bina Marga Ref. : 531/F-032/BM dated July 17, 1982.	Apr. 12, 1982
23.	PT ICCI	Rainfall Data for March.	Apr. 13, 1982
24.	Bina Marga	Revision of Dollar Invoice No. 86.	Apr. 13, 1982
25.	Bina Marga	Submittal of Engineer's Rupiah Invoice No. 97-A for March.	Apr. 14, 1982
26.	Bina Marga	Submittal of Engineer's Monthly Supervision Report No. 95 for March 1982.	Apr. 16, 1982
27.	PT ICCI	Pile Test.	Apr. 16, 1982
28.	JV - NYC	Weekly Administrative Report No. 372.	Apr. 17, 1982
29.	JV - NYC	Transmittal of Approved Dollar Invoice No. 25 Extra No. 1 for March.	Apr. 19, 1982
30.	Bina Marga	Acknowledgement of Advances.	Apr. 19, 1982
31.	JV - NYC	Submittal of Approved Dollar Invoice No. 86 for April 1982.	Apr. 21, 1982
32.	Bina Marga	Resubmittal of Rupiah Invoice No. 97 for March.	Apr. 22, 1982
33.	PT ICCI	Shoulder Super Sta. 11+075 to 11+300.	Apr. 22, 1982
34.	PT ICCI	Acknowledgement of Letters.	Apr. 22, 1982
35.	PT ICCI	Surcharge Station 15+900 Area.	Apr. 22, 1982
36.	PT ICCI	Class IV RCP.	Apr. 22, 1982
37.	Mr. Russo	Transmittal of Rupiah Accounting Reports for March.	Apr. 22, 1982
38.	JV - NYC	Weekly Administrative Report No. 373.	Apr. 24, 1982

SECTION X APPENDIX

X. 2. OUTGOING CORRESPONDENCE (Cont'd)

<u>No.</u>	<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
39.	JV-NYC	Revisions to Rupiah Accounting Reports.	Apr. 26, 1982
40.	Bina Marga	Notes of Meeting.	Apr. 28, 1982
41.	PT ICCI	Extra Costs for Haul Roads Under Bridges.	Apr. 28, 1982
42.	Bina Marga	Amount of Engineer's Rupiah Invoices Outstanding.	Apr. 28, 1982
43.	Archicons	Mr. Luthfie Ali.	Apr. 29, 1982

SECTION X APPENDIX

X. STATUS OF FUNDS

I. DOLLAR FUNDING, ENGINEER'S CONTRACT

1- Approved Dollar Value of Engineer's Contract plus Amendments 1 thru 9	US \$	3,988,326
2- Actual Dollar Funds Available from US/AID Loan	US \$	3,979,054*
3- Amount of Services and Fee thru Invoice No. 86, April 1982	(-) US \$	<u>3,783,001</u>

Dollar Funds Remaining as
of April 30, 1982 US \$ 196,053

II. RUPIAH FUNDING, ENGINEER'S CONTRACT

1- Approved Rupiah Value of Engineer's Contract plus Amendments 1 thru 9	Rp	1,555,628,569
2- Amount of Services and Fee thru Invoice No. 98, April 1982	(-) Rp	<u>1,352,005,195</u>

Rupiah Funds Remaining as
of April 30, 1982 Rp 203,623,374

III. CONSTRUCTION CONTRACT

Approved Value of Contract	Rp	8,050,000,000
Value of Contract Change Orders Approved to Date	+ Rp	<u>9,208,345</u>

Approved Value of Contract Rp 8,059,208,345

* Difference is due to banking charges.

JAGORAWI HIGHWAY PROJECT
STATUS OF CONTRACT CHANGE ORDERS AND FUNDS
Sheet 1 of 1

CO O.	D E S C R I P T I O N	E I C S U B M I T	C O N T R A C T O R A C C E P T	B I N A M A R G A A P P R O V E D R E C O M M ' D	B I N A M A R G A A P P R O V E D	R U P I A H A M O U N T
	ORIGINAL AUTHORIZATION					+ 8,050,000,000
1	Revise Clearing and Grubbing	May 9, 1981	May 14, 1981	May 19, 1981	May 25, 1981	18,374,720
1	Revise Unclassified Excav., Class 1	May 9, 1981	May 14, 1981	May 19, 1981	May 25, 1981	(-) 47,040,000
2	Revise Spec. Engineer Vehicles	May 9, 1981	May 14, 1981	May 19, 1981	May 25, 1981	0
3	3-edge Bearing Test Machine	Sept. 10, 1981	Sept. 15, 1981	Sept. 17, 1981	Oct. 1, 1981	+ 1,774,381
4	Revise Density Spec. for A.B.C. & Select Roadway Embankment	May 9, 1981	May 14, 1981	May 19, 1981	May 25, 1981	0
5	Engineer Housing Civil Works	May 9, 1981	May 14, 1981	May 19, 1981	May 25, 1981	+ 36,099,244
6	Recondition H-piles	---	---	---	---	---
7	Revisions to Engineer's Housing	Mar. 15, 1982	Mar. 17, 1982			
8	Weigh House Modifications	---	---	---	---	---
9	Grade Change & Rev'd Typical Sect.	Mar. 15, 1982	Mar. 17, 1982	---	---	---
0	Revisions to Conc. Perf'd Pipe	---	---	---	---	---
1	Revised Concrete Headwalls	---	---	---	---	---
	T O T A L					8,059,208,345

X.3. LISTING OF CONTRACT CHANGE ORDERS

