

PD-AAJ-575  
ISN 1079

**REPUBLIK INDONESIA**

4970223/53

**DEPARTEMEN PEKERJAAN UMUM  
DIREKTORAT JENDERAL BINA MARGA**



**JAGORAWI HIGHWAY**

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**MONTHLY REPORT  
SUPERVISION**

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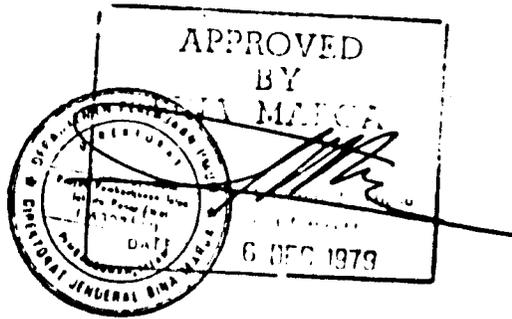
**SEPTEMBER 1979**

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

**CONSULTING ENGINEERING**

REPORT NO. 65

JAGORAWI HIGHWAY PROJECT  
CONSULTING SUPERVISORY SERVICE



SUBMITTED BY :



LARRY G. HUNTEN  
Engineer in Charge

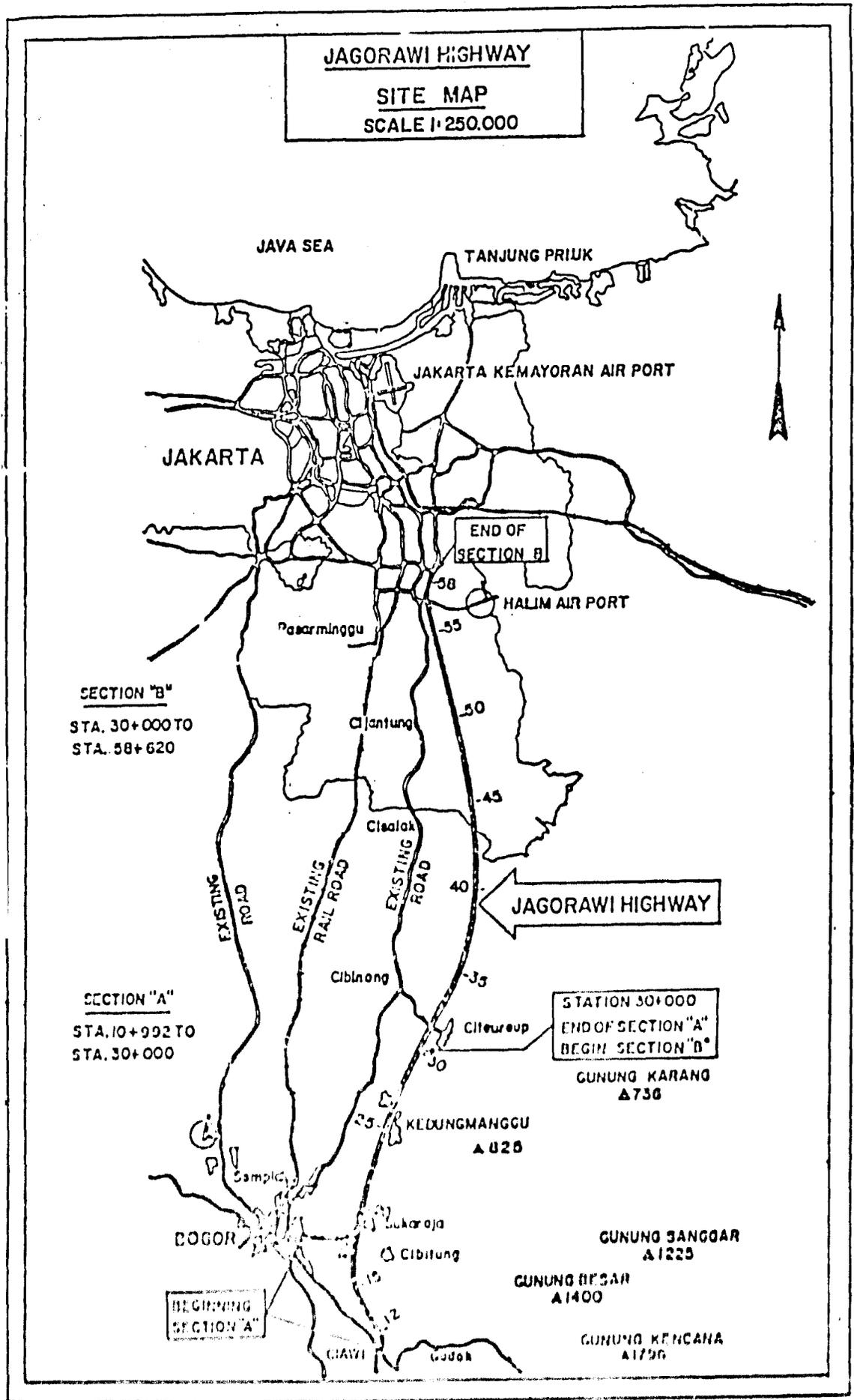
FOR THE MONTH OF SEPTEMBER 1979

PREPARED BY : JOINT VENTURE OF  
AMMANN & WHITNEY  
TRANS-ASIA ENGINEERING  
ASSOCIATES INC.,  
P. O. BOX 44,  
BOGOR  
INDONESIA

JAGORAWI HIGHWAY

SITE MAP

SCALE 1:250,000



**SECTION "B"**  
STA. 30+000 TO  
STA. 58+620

**SECTION "A"**  
STA. 10+992 TO  
STA. 30+000

END OF  
SECTION B

JAGORAWI HIGHWAY

STATION 30+000  
END OF SECTION "A"  
BEGIN SECTION "B"

GUNUNG KARANG  
▲ 736

KEDUNG MANGGU  
▲ 825

GUNUNG SANGGAR  
▲ 1225

GUNUNG BESAR  
▲ 1400

GUNUNG KENCANA  
▲ 1726

BEGINNING  
SECTION "A"

TABLE OF CONTENTS

Page

SECTION

I.	.... NARRATIVE SUMMARY .....	1
II.	.... ADMINISTRATION .....	2
	1. .... SUBMISSIONS/APPROVALS .....	2
	2. .... DECISIONS .....	3
	3. .... MAJOR CONFERENCES .....	3
	4. .... OFFICIAL VISITORS .....	3
	5. .... FINANCIAL OVERRUNS/UNDERRUNS .....	3
	6. .... CLAIMS .....	4
	7. .... PROJECT FILM PROGRAM .....	5
	8. .... US/AID REQUIREMENTS .....	5
	9. .... STAGE II DESIGN .....	5
III.	.... CONTRACTOR'S WORK PROGRESS .....	6
	1. .... SECTION B .....	6
	2. .... SECTION A .....	6
	3. .... OTHER CONTRACTOR ACTIVITY .....	6
	4. .... CONSTRUCTION BY OTHERS .....	6
IV.	.... ENGINEERING PROGRESS .....	7
	1. .... SURVEYS .....	7
	2. .... AS-BUILT PLANS .....	7
	3. .... QUANTITIES .....	7
	4. .... MAINTENANCE .....	9
	5. .... FINAL REPORT .....	10
V.	.... PERSONNEL .....	11
	1. .... ENGINEER .....	11
	2. .... CONTRACTOR .....	16
VI.	.... APPENDIX	
	1. .... INCOMING CORRESPONDENCE.	
	2. .... OUTGOING CORRESPONDENCE.	
	3. .... CONTRACTOR EQUIPMENT LIST.	
	4. .... CONTRACTOR MATERIALS LIST.	
	5. .... MONTHLY PAY ESTIMATES (NOT SUBMITTED).	
	6. .... LISTING OF CONTRACT CHANGE ORDER.	
	7. .... STATUS OF FUNDS AND CONTINGENCY.	
	8. .... STATUS OF CONTRACTOR'S FUNDING APPROVALS DISBURSEMENTS (AS OF SEPTEMBER 30, 1979).	

SECTION I . . . NARRATIVE SUMMARY

The Ciawi Section of Jagorawi, opened to public traffic August 14, 1979, has been functioning well under one-way traffic. Traffic is light except on Sunday afternoons.

The Contractor has agreed to submit final invoices for Section A and B on or before July 31, 1980. The Contractor has further agreed to include any and all outstanding claims on the final invoices. These agreements are contained in the "Maintenance Certificate" for Section B and the "Completion Certificate" for Section A.

The Contractor continues to agree and cooperate in the signing of contract change orders. Three Change Orders, CCO No. 82, 103 and 107 which were submitted to the Contractor under "issuance" procedures of the Contract, were accepted by the Contractor without protest.

The Contractor by letter referenced HD-244/BM/G dated September 6, 1979 responded to Bina Marga's denial of the Contractor's major claim for Section A and B and stated that the claim would be referred to arbitration. No definite date for submittal of the claim to arbitration has been made known, and Bina Marga has not responded to the Contractor's letter.

Mr. Robert Page, Joint Venture Claim Specialist arrived on site and is preparing a technical report to Bina Marga on the claim. Mr. Robert McLaughlin is preparing a review on portions of the claim on a part time basis.

Bina Marga has issued a letter of intent for the Joint Venture to prepare design plans for Stage II constructions. Because of the imminent onset of the rainy season, the Joint Venture began survey work for the design project September 1, 1979.

The Engineer normally includes and comments on the Contractor's monthly invoice in these Supervision Reports. Since project completion, invoices have been submitted late in the report period, thus delaying issuance for September. Rather than delay the Report, the Contractor's September invoice will be included in a subsequent report.

## SECTION II .... ADMINISTRATION

### II. 1. .... SUBMISSIONS/APPROVALS

The Engineer's Rupiah Invoice No. 64 for August was approved by Bina Marga.

The Contractor's Dollar and Rupiah Invoices No. 61 and 62, Invoice No. 11 and the second supplemental Invoice for Amendment No. 1 (Rupiah devaluation) were all approved by Bina Marga and returned to the Contractor for collection.

Bina Marga approved Contract Change Orders No. 119, 126 and 127.

Mr. Robert Page was approved as a Claims Specialist and has reported to the Project.

Bina Marga by letter dated September 10, 1979 has issued a letter of intent for the Joint Venture to do the design work for Stage II Construction.

Approval to reduce the Joint Venture's bank guarantee for advance payments to Rp 7,193,799 has been obtained. Approval to delay further repayments of the Engineer's advanced payment until the first payment for Stage II design has been received has also been granted by Bina Marga.

The "Maintenance Certificate" for Section B was submitted to Bina Marga for approval. Approval is pending.

A review of Specialist man-months has been submitted to Bina Marga with a request to adjust back invoicing.

A similar review of Engineering Sponsor visits has been submitted with a request for make-up invoicing of 2.50 M-M.

A request for approval for an Engineering Sponsor visit by Mr. George Gross during the later part of October has been submitted.

A request for general salary increases for local staff employees was submitted by the Engineer.

A complete listing of all correspondence for the month is contained in this report.



DEPARTEMEN PEKERJAAN UMUM  
 DIREKTORAT JENDERAL BINA MARGA  
 JALAN PATTIMURA NO. 20 TELP. 771539-713704 KEBAYORAN BARU

Our ref. K.1-03/2405  
DJ 246/1001/1979

Jakarta, September 10, 1979

AMMAN & WHITNEY  
 Trans Asia Engineering Assoc. Inc.  
 P.O. Box 44  
 B O G O R.

JAKARTA HIGHWAY ENGR. CIRCULATION SECTION I PARTIAL ON THE P.P. C/PPT.	DIR. (1)	DIR. (2)	DIR. (3)	DIR. (4)	DIR. (5)	DIR. (6)	DIR. (7)	DIR. (8)	DIR. (9)	DIR. (10)	DIR. (11)	DIR. (12)	DIR. (13)	DIR. (14)	DIR. (15)	DIR. (16)	DIR. (17)	DIR. (18)	DIR. (19)	DIR. (20)	

Dear Sir,

Re.: Letter of Intend for Stage II.

Bina Marga has reviewed your draft proposal for Stage II design, and by this letter expresses the intend of approving an Addendum to your contract for the design services as outlined in your draft proposal and as modified below. Please revise your proposal as follows :

1. Design of the Ciawi 4-lane section is to be completed in stages 3 Km are to be submitted within 2 months, and the 3 additional Km are to be submitted by the end of 4 months.
2. Design of the Gadoq Spoor, Gunung Putri Interchange and Widening of all Toll Plazas will be submitted by the end of 6 month.
3. The Consultant will review and report on the feasibility of using Indonesian rock asphalt for the roadway typical section.

The cost will be adjusted after negotiation of this stage II design.

654  
**RECEIVED**  
 13 SEP 1979  
 AMMANN & WHITNEY  
 TRANS-ASIA-ENG  
 a Joint Venture

Very truly yours,  
 Director General of Highways,

SURYATIN EASTMANJOWO

- C.C.
1. Director of Planning.
  2. Director of Construction.
  3. US-AID Jakarta.
  4. Project Manager Jemberawi.

## SECTION II .... ADMINISTRATION

### II. 2. .... DECISIONS

Bina Marga formalized their decision for the Joint Venture to do the Stage II design. A copy of Bina Marga's letter of intent follows.

### II. 3. .... MAJOR CONFERENCES

A. The Engineer met with Mr. Soemarga and Mr. Hendro at Bina Marga's Jakarta Office on September 8th to discuss the Contractor's letter requiring arbitration on their Major Claim. The Engineer advised Bina Marga to obtain the service of a contract attorney to assist with defense of the claim denial during arbitration. The Engineer suggested that an American law firm be engaged for a brief legal review of the claim after the Engineer's technical review and report is completed.

B. A meeting of the Engineer's staff and Project Manager and Mr. Handrajadi was held on September 28, 1979 to discuss unresolved project problems.

Mr. Hendro asked the Engineer to prepare a summation of cost saving benefits to the Contractor provided by Bina Marga during the course of the Project. Purpose of the request is to counter the Contractor's Major Claim for Section A and B.

The Engineer briefed Bina Marga on the Contractor's submitted major item cost adjustment proposal.

A budget estimate to complete payments to the Contractor was presented, and progress on the Ciawi/Dojor Claim and Rupiah devaluation claim discussed.

### II. 4. .... OFFICIAL VISITORS

Mr. Koaki of OE/AID visited the site on a weekly basis.

### II. 6. .... FINANCIAL OVERRUNS/UNDERRUNS

A review of the Contractor's major item cost adjustment proposal indicates most of the costs will have to be financed by Rupiah's only. Maximum Dollar participation is estimated at \$ 100,000 based upon data submitted by the Contractor.

## SECTION II .... ADMINISTRATION

### II. 5. .... FINANCIAL OVERRUNS/OVERRUNS (Con'd)

The Engineer's Dollar Letter of Credit has been increased to include approved Amendment No. 1.

The estimated additional cost for the Contractor's Rupiah devaluation claim has been reduced to Rp 300,000,000 this month.

A status of both Dollar and Rupiah Funds and Funding Approvals and Disbursements is contained in the appendix of this report.

### 6. .... CLAIMS

#### A. MAJOR CLAIM FOR SECTION A & B

Mr. Page, Joint Venture Claims Specialist has prepared a draft reply for Bina Marga's use in answering the Contractor's letter stating the claim for Section A and B would be referred to arbitration.

Mr. Page has also prepared a listing of 14 cost saving-benefits provided the Contractor by Bina Marga. When interest is considered, the amount of these benefits is \$ 26,000,000 which entirely offset the Contractor's claimed amount. This analysis was prepared at the request of Bina Marga.

Mr. William Burroughs completed his review and draft report on the major claim. A copy of the draft has been informally submitted to Bina Marga.

The "Rules of Arbitration and Conciliation" of the International Chamber of Commerce have been obtained by the Engineer's home office and forwarded to Bina Marga.

#### B. RUPIAH DEVALUATION CLAIM

Additional data to support his claim for an adjustment in contract change order work completed after devaluation was submitted by the Contractor. The Engineer is preparing a report to Bina Marga on this claim.



# BEST AVAILABLE DOCUMENT

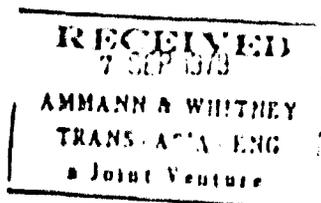
HYUNDAI CONSTRUCTION CO., LTD.

extent of the losses which we have incurred in performing the Contract did not emerge until a comparatively late stage.

Also, while clause 104.02 of the Special Provisions clearly requires Contract Change Orders to be issued before the work to which they relate is commenced, the Contractor was forced on virtually every occasion to act on the oral direction of the Engineer and to wait for the issue of the Change Orders until after the work had started and in some cases even after the work had been completed. This variation from the provisions of clause 104.02 of the Special Provisions was clearly authorized by the Engineer and made with his full knowledge and consent. Had we attempted to insist on the issue of Contract Change Orders before work which deviated from the original contract plans and specifications was commenced, completion of contract would have been delayed by months or even years.

We do not therefore accept that, because we have signed individual Contract Change Orders, we are thereby prohibited from making the comprehensive claims which we have submitted. We have not made any claims in respect of items for which we have been compensated under contract amendments. For example no claims have been made in respect of the increased cost of major materials since that is the subject of Contract Amendment No.1

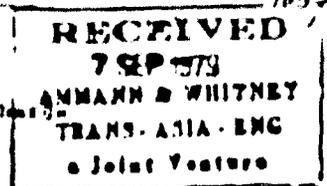
- 3). We gave you no reason to believe that we would not submit any further claims at the time, Contract Amendment No.1 was signed. Contract Amendment No.1 was signed on 24th December 1976 and we can not think that you would expect any contractor to waive all future claims in respect of a contract at a time when work was to continue for at least another two years. With regard to our letter of 7th October 1976 (reference No.HD-MC-219) we would point out that the claim withdrawn by that letter was a claim for interest costs incurred as a result of the delay in the opening of the letter. We have not re-submitted a claim for such costs. The claims document recently submitted includes claims in respect of losses we have suffered as a result of various delays including the delay in the opening of the letter of credit but they are different losses.



Sincerely yours.

HYUNDAI CONSTRUCTION CO., LTD.

*[Signature]*  
KIM, JUNG WOO  
Site Manager



C.C. : Project Manager  
Ammann & Whitney, Trans-Asia, Engineer in Charge  
UN-AID Jakarta  
HD Head Office

## SECTION II .... ADMINISTRATION

### II. 6. .... CLAIMS

#### C. CIAWI/BOGOR CLAIM

The Engineer has completed his review of the Contractor's production rates and unit costs for this claim. A letter to the Contractor comparing production rates and unit costs, as determined from the Engineer's records, compared to the claimed rates, is being prepared.

### II. 7. .... PROJECT FILM PROGRAM

No progress to report.

### II. 8. .... US/AID REQUIREMENTS

Bina Marga has agreed to reimburse the Contractor with Rupiahs for required additional shipping deductions of \$258,000. Deductions and credits will be authorized by forthcoming CCO 87, Suppl. No. 4.

### II. 9. .... STAGE II DESIGN

The Engineer has mobilized two survey crews for the design work. Remaining supervision staff were relocated to the old club House at the Baranangsiang Compound which has been converted into an Office. This will leave the entire Lewinutug Office available for design work.

Office renovations, painting, etc., for the design were progressed during the month.

Chief of Survey, Mr. Saksono reported that ground elevations in the Gadog Section were as much as 2 meters different than elevations shown on original plans for the Gadog spur.

Bina Marga has not authorized payment of the September invoice for the lump sum design (Rp 8,509,167 = \$ 11,614.67). Unless payment of design invoices can be provided, the Engineer may have to suspend additional design work.

### SECTION III .... CONTRACTOR'S WORK PROGRESS

#### III. 1. .... SECTION B

As mentioned in the August Monthly Report, the one year maintenance period for Section B expired on July 31, 1979. A Maintenance Certificate for Section B has been signed by the Engineer and Contractor and submitted to Bina Marga for approval.

#### III. 2. .... SECTION A

The Contractor completed remedial strip-sodding of the Ciawi Area. Removal of the temporary access ramps to the quarry site are all the work that remains. As mentioned in the August Monthly Report, all of the above must be completed by December 31, 1979.

The Completion Certificate for Section A has been signed by the Engineer and Contractor and submitted to Bina Marga for approval.

#### III. 3. .... OTHER CONTRACTOR ACTIVITY

The Contractor is repairing and exporting equipment of the project as most of the remaining equipment is not required for maintenance purposes. His current work force includes 41 personnel listed under mechanics. Demobilization is the main activity.

#### III. 4. ... CONSTRUCTION BY OTHERS

Construction of ramps at Station 44+000 near the overcrossing to the Boy Scout Camp by PROJAYA is currently underway. The Contractor is using side borrow embankment construction. Construction of the 1 pedestrian overcrossing in the Cililitan Area is nearly completed, with only finishing work remaining. The ramps at the Taman Mini Interchange being built by P.T. Hutama Karya are also nearing completion. Construction of approximately 1 kilometers of masonry block wall is also in progress near the 1 pedestrian overcrossings in the Cililitan Area.

## SECTION IV .... ENGINEERING PROGRESS

### IV. 1. .... SURVEYS

The field work for the final leveling and traversing has been completed. Adjustment of the levels and balancing of the traverses is underway. The data is to be incorporated into the final as-built plans. There has been some re-surveying required which has been the cause of some delay in completion of this item.

Survey work for Stage II began this month, with establishment of vertical and horizontal control for the Gadog Connection and cross-sectioning of the Ciawi Section at 25 meter intervals being priority items.

### IV. 2. .... AS-BUILT PLANS

All the work that remains for the As-Built Plans is the incorporation of final leveling and traversing data. That is expected to be completed after the final survey has been checked.

### IV. 3. QUANTITIES

Monthly Progress Payment No. 63, for the month of September was not submitted by the Contractor. This invoice will be included in a subsequent report when submitted and certified by the Engineer.

US/AID Report No. 2-497-79-11 issued on July 18, 1979 recommended that an additional \$254,500 be deducted from the Contractor's dollar payments because of use of ineligible shipping. Bina Marja has instructed the Engineer to deduct that amount from the dollar portion of the contract and authorized payment in Rupiah.

Determination of all final quantities for Section B have been resolved. Proposed COO 118 with the final partial listing balancing the quantities has been accepted by the Contractor and transmitted to Bina Marja for approval. The following change orders for Section B were accepted by the Contractor

SECTION IV .... ENGINEERING PROGRESS

IV. 3. .... QUANTITIES (Con'd)

and approved by Bina Marga.

<u>CCO No.</u>	<u>Description</u>	<u>Section</u>
82	Bridge Location to Sta. 34+443	B
103	Footbridges Sta. 33+050, 51+223	B
107	Bridge Revisions, Ramp 23	B
119, Suppl. 1	Further Revisions to Traffic Signals at Ciawi, Baranangsiang, Ciawi	A
126	Embankment at Sta. 53+480 and Opening Ceremony Fill	B
127	Reduction in ATB Payment	B

The following is a status summary of all pending change orders for the project as of September 30, 1979.

<u>CCO No.</u>	<u>Description</u>	<u>Status*</u>
31, Rev. 1	Baranangsiang Intersection	Claim
104	Bogor Toll Plaza	Claim
110	Ciawi Intersection	Claim
112	Aggregate Fill, 18+800 Grade Change	Claim
118	Third Quantity Balance, Section B	2
121	Miscellaneous Extra Work, Section A	2
122	Ciawi Toll Plaza	Claim
123	Wearing Course Rebate, Section B	2
124	Permanent Road Signs	0
125	Added Cost for Early Opening, Section B	2
128	Handover of Contractor's Housing	0
129	Permanent Road Marking	0
130	Quantity Balance, Section A	0

\* 0 - Not drafted

1 - Sent to Contractor for Acceptance

2 - Accepted by Contractor, sent to Bina Marga for Approval.

Bina Marga has not replied on the draft Revision to Amendment No. 1 (Rupiah Foreign Materials Escalation) which would authorize Rupiah funds for adjusting invoice payments made after the

## SECTION IV . . . . ENGINEERING PROGRESS

### IV. 3. . . . QUANTITIES (Con'd)

devaluation of the Rupiah. The amendment would also formalize invoicing of locally manufactured portland cement and reinforcing steel which were not available when the project first started.

Bina Marga has not completed processing the Supplemental Agreement to Amendment No. 3 transmitted in July. This supplement would authorize additional approved change orders not currently shown on Amendment No. 3. As mentioned in the July Monthly Report, Treasury Payments are authorized by the Contract and Contract Amendment only, and the Department of Treasury can not process payments for change orders unless they are incorporated into a Contract Amendment.

### IV. 4. . . . MAINTENANCE

Routine maintenance by Jasa Marga for both Section A and B included grass trimming, guard rail repair, shoulder brooming, removal of silt from the Station 54 channel change, and patching of gouges in wearing course pavement caused by traffic accidents. Pedestrian traffic is still heavy near both the Bogor Toll Plaza and the Jakarta By-pass.

Of particular concern is P.T. Jasa Marga's maintenance road through the Ciawi Section. As mentioned initially in the July Monthly Report they have constructed a maintenance road to permit their vehicles to go opposite the one-way traffic pattern, but are using the shoulder of the existing bridges in lieu of providing new temporary bridges. This creates a hazard because the normal pattern is in one direction only.

The signal lamps at the Baranangsiang Intersection have burned out frequently, apparently due to the severe voltage fluctuation there. The Contractor has recorded voltage fluctuation readings which indicate that remedial measures may be warranted. The matter has been referred to Bina Marga who will contract PH to see if anything can be done to alleviate this problem. Phillips, the sub-contractor has also been contacted to see if they can propose a solution. Both the Ciawi and Baranangsiang

SECTION IV .... ENGINEERING PROGRESS

IV. 4. .... MAINTENANCE (Con'd)

intersections malfunctioned occasionally during periods of rain.

IV. 5. .... FINAL REPORT

Progress continued on the final report but, as stated in the July Monthly Report, due to the critical nature of the 23.8 million dollar claim, the Draft Final Report is not expected to be completed prior to December 1979. With the claim apparently headed toward arbitration, a complete final report will require evaluation of all pertinent highlights of the claim settlement and this will not be possible until the claim has been resolved. First drafts of the final report dealing with soils and materials, paving, and earthwork have been completed. Priority emphasis is, however, on settlement of final pay quantities and preparation for arbitration.

SECTION V ..... PERSONNEL

V. 1. .... ENGINEER

Mr. Robert Page, Claims Specialist, arrived in Indonesia on September 14, 1979 to work on the 23.8 million dollar claim, Mr. Page is expected to remain through October. Mr. Page also worked in New York and Manila prior to arrival here. His date of hire was September 7, 1979.

A letter was sent to Bina Marga (Ref. No. : 4669/G-340/BM) dated September 6, 1979) which asked for approval of terminating Expatriate home leave for Mr. Bernard Strough and Mr. Jimmy Caldwell, as outlined in the letter.

A request was submitted to Bina Marga for approval of Mr George Gross's planned trip to Indonesia in October.

References :

EIC letter Ref. No. : 4671/G-342/BM, dated 8 September 1979.  
EIC letter Ref. No. : 4670/G-341/BM, dated 7 September 1979.  
EIC letter Ref. No. : 4669/G-340/BM, dated 6 September 1979.  
EIC letter Ref. No. : 4543/P-250/BM, dated 5 July 1979.

Following is the Expatriate Man-Month Status through September 1979. The first column, "Approved Thru May 1979" reflects all man-month as approved on the Engineer's Dollar Invoice No. 45 with the following exception. Mr. Robert McLaughlin's approved time as the Senior Bridge Engineer through May 1979 (37.09 mo) does not agree with the invoiced time (37.68 mo). In the Engineer's letter of July 15, 1979 (Ref. No. : 4543/P-250/BM) Mr. McLaughlin's time previously not invoiced was calculated as 0.97 months, while Invoice No. 45 shows 1.56 months spent but not billed. The Joint Venture is researching the matter and will correct the next invoice, if necessary.

The second column, "Additional through September 1979", reflects time spent between June 1 and September 10, 1979. Note that Mr. T. Gordon's time has been moved from Senior Bridge Engineer to Specialist in accordance with the letter of September 7, 1979 (Ref. No. : 4670/G-341/BM). Mr. Gordon was approved as a Specialist but his time was inadvertently billed as Sr. Bridge Engineer.

SECTION V . . . . PERSONNEL

V. . . . ENGINEER (Con'd)

EXPATRIATE MAN-MONTH STATUS

Position/Name	1	2	3	4	5	6
	Approved Through May 1979	Additional Through Sept. 1979	Total Through Sept. 1979 (1+2)	Estimated to Completion	Author'd M-M	Balance (5-3-4)
<u>PRINCIPAL</u>						
Gross	1.07	1.83	2.90	-	-	-
H. Josey	0.23	-	0.23	-	-	-
E. Evanson	0.17	0.17	0.34	-	-	-
M. Brumar	-	0.26	0.26	-	-	-
N. Grey	-	0.27	0.27	-	-	-
	(1.47)	(2.53)	(4.00)	1.00	5.00	-
<u>SPECIALIST</u>						
Tripp, Henel, Carter, Gordon*	7.63	2.87	10.50	-	-	-
W. Burroughs	-	0.77	0.77	-	-	-
R. Page	-	0.80	0.80	-	-	-
R. McLaughlin	-	0.10	0.10	-	-	-
	(7.63)	(4.54)	(12.17)	1.83	16.00	2.00
<u>ENGINEER IN CHARGE</u>						
Katavolos, Burroughs	41.98	-	41.98	-	-	-
B. Strough	23.87	1.70	25.57	-	-	-
L. Dunten	-	3.03	3.03	-	-	-
	(65.85)	(4.73)	(70.58)	11.00**	76.00	(-)5.58
<u>ONE QUANTITIES</u>						
Burroughs, Rumer	32.93	-	32.93	-	-	-
L. Dunten	23.13	0.97	24.10	-	-	-
G. Takayasu	-	2.50	2.50	-	-	-
	(56.06)	(3.47)	(59.53)	6.00	64.00	(-)1.53

\* See letter 4670/G-141/84 September 7, 1979 classification changed from Sr. Bridge Engineer to Specialist.

\*\* Includes 2 month's leave.

SECTION V . . . . PERSONNEL

V. 1. . . . ENGINEER (Con'd)

EXPATRIATE MAN-MONTH STATUS

Position/Name	1	2	3	4	5	6
	Approved Through May 1979	Additional Through Aug. 1979	Total Through Aug. 1979 (1+2)	Estimated to Completion	Author'd M-M	Balance (5-3-4)
<u>DRT. (QC)</u>						
Halton, Beck, Klein, Molnar J. Caldwell	55.77 8.00	- 3.03	55.77 11.03	- -	- -	- -
	(63.77)	3.03	(66.80)	-	63.00	(-) 3.80
<u>SR. BRIDGE ENGR.</u>						
Tarzian, Gordon R. McLaughlin	12.73 37.09**	(-) 2.87* -	9.86 37.09	- -	- -	- -
	49.82	(-) 2.87	46.95	-	45.5	(-) 1.45
<u>SR. HIGHWAY ENGR.</u>						
Yale, Allred, De Graaff, Zickafoss G. Takayama	38.50 6.73	- 0.27	38.50 7.00	- -	- -	- -
	(45.23)	(0.27)	(45.50)	-	26.00	(-) 19.50
<u>Maint. Engineer</u>	1.13	-	1.13	6.00	24.00	16.87
<u>Sr. Mat. Engr.</u>	38.33	-	38.33	-	40.00	1.67
<u>Chief of Survey</u>	25.03	-	25.03	-	25.00	(-) 0.03
<u>Constr. Engineer</u>	6.50	-	6.50	-	13.00	6.50
<u>Sr. Constr. Engr.</u>	31.90	-	31.90	-	28.00	(-) 3.90
<u>Sr. Drain. Engr.</u>	13.23	-	13.23	-	28.00	14.77
<u>Soils Engineer</u>	13.47	-	13.47	-	12.00	(-) 1.47
<u>Bridge Ins. Engr.</u>	0.93	-	0.93	-	0.00	(-) 0.93
<u>Sr. Pav. Engineer</u>	51.52	-	51.52	-	48.00	(-) 3.52
	(182.04)	-	(182.04)	(6.00)	(218.00)	(29.96)
<b>T O T A L</b>	<u>471.87</u>	<u>15.70</u>	<u>487.57</u>	<u>25.83</u>	<u>511.50</u>	<u>0.10</u>

\* Mr. Gordon's time now listed under Specialist

\*\* Subject to adjustment, see narrative.

SECTION V . . . . PERSONNEL

V. 1. . . . ENGINEER (Con'd)

The Indonesian local staff employed by the Engineer to assist in the performance of the work are, by category, as follows :

COUNTERPARTS (Bina Marga)

<u>Name</u>	<u>Position</u>	<u>No.</u>	<u>**MM Appr'd by Contr.</u>	<u>MM Exp'd to date</u>	<u>*Est. Total MM Req. to compl.</u>
Mr. Wazir Omar	DRE (OC)	1	65	62	62
Mr. Hudaya	DRE (O)	1	63	57	63
-	SIE-Const.	-	62.9	48	48
-	SIE-Paving	-	60	60	60
Mr. Soepomo	SIE-Materials	1	62	63	62
-	SIE-Bridge	-	34	34	34
Mr. Salasono	Chief of Survey	-	54	47	49
-	SIE Design	-	18	0	0
<b>T O T A L</b>	<b>.....</b>	<b>3</b>	<b>418.9</b>	<b>371</b>	<b>378</b>

ADMINISTRATION

<u>Position</u>	<u>No.</u>	<u>**MM Appr'd by Contr.</u>	<u>MM Exp'd to date</u>	<u>*Est. Total MM Req. to compl.</u>
Administrative Manager	1	75	65.3	75
Secretary	1	64	54	64
Clerk/Typist	1	144.6	129	145
Accountant	1	62.5	55	64
Bookkeeper	2	136.9	124	130
Mechanic	1	113.4	106	113
Security Guard	4	259.6	220	234
Office Janitor	1	108.4	103	110
Gardener	2	48	51	58
Drivers	5	1,166.7	1,067.8	1,166.7
<b>T O T A L</b>	<b>19</b>	<b>2,174.1</b>	<b>1,975.1</b>	<b>2,159.7</b>

\* Based on present estimated time required to complete the project.

\*\* Includes time allotted under original contract, Amendment No. 1, 2, 3, 3a, 3 and No. 4. Mr. Mulyoto completed his assignment on this project and has been reassigned to assist Bina Marga.

SECTION V . . . . PERSONNEL

V. 1. . . . ENGINEER (Con'd)

OFFICE PERSONNEL (Technical)

<u>Position</u>	<u>Q'ty</u>	<u>**MM Appr'd by Contr.</u>	<u>MM Exp'd to date</u>	<u>*Est'd Total MM Req'd to compl.</u>
Office Engineer	1	64.6	56.9	64.9
Drainage Engineer	1	41.1	41.1	41.1
Highway Engineer	-	47.0	47.0	47.0
Highway Technical	3	110.0	131.8	110.0
Draftsman	4	204.8	189.4	204.8
Drainage Technician	2	67.0	69.0	67.0
Bridge Inspector	1	307.6	366.6	367.6
Materials Inspector	<u>1</u>	<u>431.5</u>	<u>6 428.5</u>	<u>431.5</u>
T O T A L	13	1,273.6	1,332.3	1,333.6

FIELD PERSONNEL

Soils/Materials Engr.	-	43.3	38.3	43.3
Party Chief	-	109.1	85.1	109.1
Instrumentman	-	166.5	134.8	166.5
Chairman	-	173.5	174.5	173.5
R o d m a n	-	176.3	154.3	176.3
Highway Inspector	-	119.3	86.3	119.3
Plant Inspector	-	289.3	255.3	289.3
Pavement Inspector	-	154.4	131.4	154.4
Laboratory Technician	-	385.6	365.9	385.6
Laboratory Aide	-	219.9	201.4	219.9
Materials Aide	-	606.5	603.4	606.5
Scaleman	-	149.6	112.9	149.6
Survey Aide	-	38.7	38.7	38.7
Driller	<u>-</u>	<u>55.9</u>	<u>55.9</u>	<u>55.9</u>
T O T A L	0	2,687.9	2,438.2	2,687.9

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GRAND TOTAL	35	6,554.5	6,116.6	6,559.2
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SECTION V .... PERSONNEL

V. 2. .... CONTRACTOR

PERSONNEL ON THE JOB

September 25, 1979

1. OFFICE

<u>Categories</u>	<u>Korean</u>	<u>Indonesian</u>	<u>Total</u>	<u>Increase/Decrease</u>
1. Project Manager	1	-	1	
2. Contract Administration	1	-	1	
3. Accountants	1	1	2	+1
4. General Affairs	1	-	1	-1
5. Material & Custom Clearance	1	2	3	
6. Labour & Payroll	1	2	3	
7. Typist	-	1	1	
8. Cook	1	9	10	-1
9. Chief Office Engineer, Quantities	1	-	1	
10. Office Engineer	1	3	4	
<b>Total :</b>	<b>9</b>	<b>18</b>	<b>27</b>	<b>-1</b>

2. EQUIPMENT MAINTENANCE

<u>Categories</u>	<u>Korean</u>	<u>Indonesian</u>	<u>Total</u>	<u>Increase/Decrease</u>
1. Superintendent for Maintenance	1	-	1	
2. Spare Parts checker	-	3	3	
3. Senior Mechanic	1	-	1	
4. Junior Mechanic	4	40	44	
<b>Total :</b>	<b>6</b>	<b>43</b>	<b>49</b>	

3. FIELD

<u>Categories</u>	<u>Korean</u>	<u>Indonesian</u>	<u>Total</u>	<u>Increase/Decrease</u>
1. Foreman for Misc. work	1	1	2	+2
2. Surveyor	-	3	3	
3. Skill labour	-	5	5	+3
4. Carpenter	-	3	3	+1
5. Heavy equip. operator	-	6	6	+1
6. Dump Truck Driver	-	3	3	
7. Light Vehicle Driver	-	3	3	
8. Common labour	-	41	41	+11
9. Safety Guard	-	24	24	+8
<b>Total :</b>	<b>1</b>	<b>93</b>	<b>94</b>	<b>+26</b>
<b>Grand Total :</b>	<b>16</b>	<b>154</b>	<b>170</b>	<b>+25</b>

A P P E N D I X

SECTION VI . . . . APPENDIX

**VI. 1. . . . INCOMING CORRESPONDENCE**

<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
1. Hyundai	Submittal of the invoice for the operation of generators at Bogor Engineer House.	Sep. 4, 1979
2. Hyundai	Locally purchased material escalation.	Sep. 4, 1979
3. Hyundai	Return of Maintenance Certificate for Section B.	Sep. 4, 1979
4. Bina Marga	Engineer's Dollar Invoice No. 45 & Rupiah Invoice No. 63/1979.	Sep. 4, 1979
5. Bina Marga	Withdrawal assignment Mr. Moeljoto as Bina Marga Counterpart.	Sep. 4, 1979
6. Bina Marga	Approval Mr. Robert Warren Page as Claim's Review Specialist.	Sep. 6, 1979
7. Bina Marga	Contractor's proposed Hand Over of Housing and facilities in lieu of Engineer Housing Repairs and other considerations.	Sep. 6, 1979
8. Hyundai	Denials of claims for Section A & B.	Sep. 6, 1979
9. Hyundai	The release of remained rupiah retention money for Section A.	Sep. 6, 1979
10. Burroughs	Hyundai Claim on Jagorawi	Sep. 6, 1979
11. Hyundai	Notice of one generator's repair for Bogor Engineer Compound.	Sep. 7, 1979
12. Hyundai	The price adjustment of major items, Section B.	Sep. 8, 1979
13. Hyundai	Submittal of the list of equipment for re-evaluation.	Sep. 10, 1979
14. Hyundai	Notification of our springing work for Claim area.	Sep. 10, 1979
15. Bina Marga	Letter of intent for Stage II.	Sep. 10, 1979
16. Archicons	Fee and overhead for the month of August, 1979.	Sep. 10, 1979
17. Hyundai	Retain of Contract Change Order NO. 155, "Added Cost for Early Opening, Section B".	Sep. 12, 1979
18. Hyundai	Notice of pending matters.	Sep. 12, 1979

SECTION VI .... APPENDIX

VI. 1. .... INCOMING CORRESPONDENCE (Con'd)

<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
19. Hyundai	Return of CCO No. 123, Section B wearing course rebate.	Sep. 14, 1979
20. Hyundai	Request for additional payment on concrete Class A and Class AA, Section A.	Sep. 17, 1979
21. Hyundai	Return of Contract Change Orders No. 121, "Miscellaneous Extra Work, Section A".	Sep. 17, 1979
22. Bina Marga	Approval of the Draft Revision to Amendment No. 1 Contractor's Contract.	Sep. 17, 1979
23. Bina Marga	Contractor Invoice for operation of Generator at Bogor Engineer house.	Sep. 17, 1979
24. Bina Marga	Repayment of Rupiah Advance Payment - Supervision Contract.	Sep. 18, 1979
25. Bina Marga	Jagorawi Highway Closed for traffic.	Sep. 18, 1979
26. Hyundai	Submittal of invoice and the breakdown of locally purchased material escalation.	Sep. 18, 1979
27. Hyundai	Submittal of the revised 11th invoice for local labor escalation.	Sep. 18, 1979
28. Hyundai	Additional compensation of equipment cost for CCO works after the devaluation date.	Sep. 18, 1979
29. Hyundai	CCOs No. 26, No. 127 & No. 119 (original plus 4 copies each)	Sep. 20, 1979
30. Hyundai	Submittal of back-up data for cost adjustment of major items, Section B.	Sep. 22, 1979
31. Hyundai	Contract Change Orders number 92, 101 and 107.	Sep. 24, 1979
32. Hyundai	Additional payment for aggregate base course of Section A.	Sep. 24, 1979
33. Hyundai	Request for Monthly Dollar Progress Payment No. 62, Jagorawi Project.	Sep. 24, 1979
34. Hyundai	Request for Monthly Rupiah Progress Payment No. 62, Jagorawi Project.	Sep. 24, 1979
35. Bina Marga	Instruction for deducting Contractor's Dollar Retention Money for the ineligible shipping costs.	Sep. 24, 1979

SECTION VI .... APPENDIX

VI. 1. .... INCOMING CORRESPONDENCE (Con'd)

<u>FROM</u>	<u>SUBJECT</u>	<u>DATE</u>
36. Bina Marga	Notice to Generator's repair for Bogor Engineer Compound.	Sep. 24, 1979
37. Hyundai	Handover of Contractor housing tennis courts and water supply system to Bina Marga.	Sep. 25, 1979
38. Hyundai	Notice of withdrawal of Generators installed at Bogor Compound.	Sep. 25, 1979
39. Hyundai	Monthly Progress Report No. 64.	Sep. 26, 1979
40. Hyundai	Request for a joint meeting.	Sep. 26, 1979
41. Hyundai	Request for prompt settlement on actual compensation for Rupiah payments.	Sep. 27, 1979
42. Bina Marga	Status of Specialist man-month.	Sep. 27, 1979
43. Hyundai	13th Invoice for local labor escalation.	Sep. 28, 1979
44. Hyundai	Return of Contract Change Order No. 118 "Quantity Balance, third partial listing" for Section B.	Sep. 29, 1979

SECTION VI .... APPENDIX

VI. 2. .... OUTGOING CORRESPONDENCE

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
1. FNCS	Guarantee Contract No. 16/581/TMN dated October 22, 1975 to Bank Dagang Negara.	Sep. 1, 1979
2. Bina Marga	Transmittal of the Engineer's Supervision Report No. 63.	Sep. 1, 1979
3. JV-NYC	Weekly Administration Report No. 235.	Sep. 3, 1979
4. Bina Marga	Status of Engineer's Rupiah Funds.	Sep. 3, 1979
5. Bina Marga	Repayment of Rupiah Advance Payment - Supervision Contract.	Sep. 3, 1979
6. Astra Grp.	Xerox copier 3500.	Sep. 3, 1979
7. Bina Marga	Beginning of Surveys and Limited Mobilization for Stage II Design.	Sep. 3, 1979
8. Hyundai	Baranangsiang Intersection - Request for traffic signal arm repair cost back-up data and receipt of voltage fluctuation readings.	Sep. 3, 1979
9. Bina Marga	Voltage Fluctuation readings at the Baranangsiang Intersections.	Sep. 3, 1979
10. Hyundai	Submittal of Maintenance Certificate for Section B.	Sep. 3, 1979
11. Hyundai	Equipment required for maintenance period (Ref. No. : HD-G-510).	Sep. 5, 1979
12. JV-NYC	Status of Jagorawi Stage II Design and Supervision Proposals.	Sep. 5, 1979
13. Bina Marga	Transmittal of Maintenance Certificate for Section B.	Sep. 5, 1979
14. Hyundai	Payment for additional MRFW in Ciawi Section (your letter HD-HC-582, dated June 21, 1979).	Sep. 6, 1979
15. Bina Marga	Terminating Expatriate Home Leave.	Sep. 6, 1979
16. Bina Marga	Status of Specialist Man-months.	Sep. 7, 1979
17. Bina Marga	Request for Approval - Corrective Invoicing for Engineer Visits.	Sep. 8, 1979
18. Bina Marga	Engineer's Rupiah Invoice No. 64/.379.	Sep. 8, 1979
19. JV-NYC	Weekly Administration Report No. 236.	Sep. 8, 1979

SECTION VI . . . . APPENDIX

VI. 2. . . . . OUTGOING CORRESPONDENCE (Con'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
20. Bina Marga	Request for Stay Visa Extension for Mr. Takayasu, Deputy Resident Engineer, Quantities.	Sep. 10, 1979
21. Hyundai	Transmittal of Draft Contract Change Order No. 121.	Sep. 10, 1979
22. Hyundai	Field Survey Work for Final Pay Quantities.	Sep. 10, 1979
23. Hyundai	Request for breakdown at locally purchased Material Escalation (your letter HD-M-449).	Sep. 10, 1979
24. Hyundai	Section B Cost Adjustment for Major Items (your letter HD-G-513).	Sep. 10, 1979
25. Hyundai	Transmittal of Draft CCO 123, Rupiah Wearing Course Rebate.	Sep. 10, 1979
26. Hyundai	Request for demobilization of additional equipment (Ref. No. : HD-M-450 dated 10 September 1979).	Sep. 11, 1979
27. Hyundai	Contractor's Request for additional escalation payments for Portland Cement and P.C. Wire (Ref. HD-G-507 dated 28 August 1979).	Sep. 11, 1979
28. Bina Marga	Contractor's Request for Release of Remaining Rupiah Retention Money Without Covering Back Guarantee.	Sep. 11, 1979
29. Bina Marga	Contractor's request for demobilization of additional equipment (Ref. HD-M-450) dated 10 September 1979.	Sep. 11, 1979
30. Bina Marga	Shipping deductions Required by US/AID Audit Report Dated July 18, 1979.	Sep. 11, 1979
31. Norw. Cons.	Toyota Sedan, Police No. P-2461 AA.	Sep. 11, 1979
32. Hyundai	Draft of Proposed Contract Change Order No. 118, Quantity balances (Third Partial Listing) for Section B.	Sep. 11, 1979
33. Bina Marga	Request for Approval for Engineering Sponsor Visit, Mr. George Gross.	Sep. 11, 1979
34. Bina Marga	Relocation of Engineer's Supervision Office.	Sep. 11, 1979

SECTION VI .... APPENDIX

VI. 2. .... OUTGOING CORRESPONDENCE (Con'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
35. Hyundai	Relocation of Engineer's Office.	Sep. 13, 1979
36. Hyundai	Proposed Contract Change Order No. 123 Section B, Wearing Course Rebate.	Sep. 13, 1979
37. Bina Marga	Transmittal proposed Contract Change Order 125, "Added Cost for Early Opening, Section B" for Approval.	Sep. 13, 1979
38. Bina Marga	Transmittal of the "Rules of Conciliation and Arbitration" of the International Chamber of Commerce.	Sep. 13, 1979
39. Bina Marga	Transmittal of proposed Contract Change Order No. 123, Section B Wearing Course Rebate, For Approval.	Sep. 14, 1979
40. Hyundai	Transmittal of Proposed Contract Change Order No. 121, "Miscellaneous Extra Work Section A".	Sep. 14, 1979
41. Hyundai	Final Earth Work Quantities For Section B (Your letter Ref. No. : HD-HC-591 of August 6, 1979).	Sep. 14, 1979
42. JV-NYC	Weekly Administration Report No. 237.	Sep. 15, 1979
43. Bina Marga	Update of Draft Supplement Agreement to Contract Amendment No. 1.	Sep. 15, 1979
44. Telkom	Request for telephone to be installed at Baranangsiang Office.	Sep. 17, 1979
45. Rasyidin	The position of Drainage Engineer on Stage II.	Sep. 18, 1979
46. Bina Marga	Submittal of Revised Article IV-1 of Section B Maintenance Certificate.	Sep. 19, 1979
47. Hyundai	Reply to "Notice of pending matters" (your letter ref. : HD-G-515 of September 12, 1979).	Sep. 19, 1979
48. Bina Marga	Transmittal of Proposed Contract Change Order No. 121 "Miscellaneous Extra Work, Section A.	Sep. 19, 1979
49. Bina Marga	Transmittal of Bupiah Accounting Reports for the Month of August 1979.	Sep. 19, 1979
50. Bina Marga	Requested Local Supervision Staff Pay Increases.	Sep. 19, 1979

SECTION VI . . . . APPENDIX

VI. 2. . . . OUTGOING CORRESPONDENCE (Con'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
51. FNCB	Bank Guarantee - Ammann & Whitney /Trans-Asia Engineering Assoc. Inc., - Adjustment of No. 3103/692/LI- Rp 45,000,000.	Sep. 19, 1979
52. Hyundai	Handover of Contractor Housing, Tennis Courts and Water Supply System to Bina Marga.	Sep. 19, 1979
53. Hyundai	Generator for Engineer's/Bina Marga Housing at Baranangsiang.	Sep. 19, 1979
54. Hyundai	Possible Additional Shipping Deductions - Request for Supportive Data.	Sep. 19, 1979
55. Hyundai	Transmittal of Approved Contract Change Order No. 119, Suppl. 1, No. 126 and 127.	Sep. 21, 1979
56. Hyundai	Review of Permanent Road Signs, Proposed Contract Change Orders No. 124.	Sep. 22, 1979
57. Bea Cukai	Pembayaran Bea Masuk atas Kendaraan Sedan Toyota Crown. (Import duties on Toyota Crown Sedan).	Sep. 22, 1979
58. Hyundai	Major Item Cost Adjustment, Section B.	Sep. 22, 1979
59. Bina Marga	Transmittal of Contractor's letter Re- questing Payment for Operation of Generator's at Baranangsiang (Ref. No.: HD-243/BM/G dated September 4, 1979).	Sep. 22, 1979
60. Hyundai	Transmittal of Contract Amendment No. 1 Rev. No. 1 and No. 3, Suppl. No. 1.	Sep. 22, 1979
61. JV-NYC	Weekly Administration Report No. 238.	Sep. 22, 1979
62. Hyundai	Contractor's Dollar and Rupiah Pro- gress Payments Nos. 60 and Nos. 61, Invoice No. 11 for Amendment No. 1 and Invoice No. 2 for Amendment No. 1, Supplement No. 1.	Sep. 24, 1979
63. Hyundai	Acknowledgement of Receipt of Back-up Data for Major Item Cost Adjustment (your letter Ref. HD-G-521 dated 22 September 1979).	Sep. 24, 1979
64. Bina Marga	Transmittal of Contractor's letter dated July 27, 1979 Ref. HD-239/BM/G "Submittal of the List for the Surplus Materials".	Sep. 24, 1979

SECTION VI .... APPENDIX

VI. 2. .... OUTGOING CORRESPONDENCE (Con'd)

<u>TO</u>	<u>SUBJECT</u>	<u>DATE</u>
65. Hyundai	Review of Invoices and Breakdown for locally Purchased Material Escalation (your letter Ref. HD-M-551 of 18 September, 1979)	Sep. 25, 1979
66. KBN	Authorization.	Sep. 25, 1979
67. Hyundai	Review of 13th Invoice for Local Labor Escalation (your letter HD-G-518 of 18 September 1979).	Sep. 25, 1979
68. Hyundai	Transmittal of Proposed Contract Change Order No. 118, "Quantity Balances, Third Partial Listing for Section B".	Sep. 25, 1979
69. Hyundai	Additional Shipping Deductions and Release of Dollar Retention Money for Section A.	Sep. 25, 1979
70. Bina Marga	Contractor's Acceptance of CCO No. 82, No. 103 and No. 107.	Sep. 25, 1979
71. Hyundai	Status of Surplus Materials, your letters, of July 27, 1979 (Ref. No. : HD-234/BM/G) and August 30, 1979 (Ref. HD-G-508).	Sep. 27, 1979
72. Saksono H.	Basic Monthly Rate, Stage II Survey Work.	Sep. 27, 1979
73. Bina Marga	Bond Status Inquiring.	Sep. 27, 1979
74. Bina Marga	Meeting of September 26, 1979 at Bina Marga Lauwinutug Office.	Sep. 28, 1979
75. Hyundai	List of Major Items to Cost Adjustment.	Sep. 29, 1979
76. Bina Marga	Transmittal of August Monthly Report.	Sep. 29, 1979
77. Bina Marga	Extension of Entry Visas For Mr. and Mrs. Page.	Sep. 29, 1979
78. JV-NYC	Weekly Administration Report No. 239.	Sep. 29, 1979

VI. 3. .... CONTRACTOR EQUIPMENT/MATERIAL ON THE SITE

(September 25, 1979)

EQUIPMENT

<u>Type</u>	<u>Manufacturer</u>	<u>Origin</u>	<u>Source</u>	<u>Q'ty</u>	<u>Condition</u>
Bulldozer HD21B	FIAT ALLIS	U.S.A	U.S.A	1	New (1:B)
Bulldozer HD16B	FIAT ALLIS	U.S.A	U.S.A	13	New
Loader 645B	FIAT ALLIS	U.S.A	CIBINONG	1	New
Loader 645B	FIAT ALLIS	U.S.A	U.S.A	10	New
Motor Grader M-150	FIAT ALLIS	U.S.A	SAUDI A.	1	Used
Motor Grader M-100	FIAT ALLIS	U.S.A	U.S.A	9	New
Motor Grader GD-37	KOMATSU	JAPAN	SAUDI A.	1	New
Compactor 824B	CATERPILLAR	U.S.A	R.O.K.	1	Used
Compactor 815	CATERPILLAR	U.S.A	U.S.A	2	New
Vib. Roller CA25PD	DYNAPAC	SWEDEN	SWEDEN	2	New
Double Vib. Roller	MIKASA	JAPAN	JAPAN	3	New
Double Vib. Roller	TAIKYOKU	JAPAN	JAPAN	2	New
Vib. Roller CH47	DYNAPAC	SWEDEN	SWEDEN	2	New
Vib. Roller CH44	DYNAPAC	SWEDEN	THAILAND	1	Used
Farm Tractor F-5000	FORD	U.S.A	U.S.A	4	New
Farm Tractor F-5000	FORD	U.S.A	THAILAND	3	Used
Tandem Roller TH-12D	GALION	U.S.A	U.S.A	2	New
Tandem Roller WT62, 82	WATANABE	JAPAN	THAILAND	2	New
Tire Roller KR-20	KAWASAKI	JAPAN	JAPAN	1	New
Tire Roller KR-30A	KAWASAKI	JAPAN	JAPAN	1	New
Tire Roller C550A	HYSTER	U.S.A	U.S.A	4	New
Tire Roller WP-15	WATANABE	JAPAN	THAILAND	1	Used
Tire Roller KR-15B	KAWASAKI	JAPAN	SAUDI A	4	Used
AP Plant	HYUNDAI	KOREA	KOREA	1	New
AP Plant KA-50	BARBER GREENE	BRAZIL	BRAZIL	1	New
AP Finisher SA-41	BARBER GREENE	ENGLAND	ENGLAND	1	New
AP Finisher SA-35	BARBER GREENE	ENGLAND	THAILAND	3	Used
AP Curb Machine NC-15A	NIIGATA	JAPAN	JAPAN	1	New
Power Broom W/40HP Eng.	LITTLE GIANT	HYUNDAI	HYUNDAI	2	New
Power Broom W/40HP Eng.	HYUNDAI	U.S.A.	THAILAND	1	Used
Agg. Spreader Box NS45P	NIIGATA	JAPAN	THAILAND	1	Used
Agg. Spreader Box NS45P	NIIGATA	JAPAN	R.O.K.	3	Used
Chip Spreader Box	WISCONSIN	U.S.A	U.S.A	1	New
Crusher Conc. 2000 W/Hr	HYUNDAI	KOREA	KOREA	1	New
Crusher Concrete 48 W	TELSMITH	U.S.A	U.S.A	2	New
Crusher Concrete 150W	KURIMOTO	THAILAND	THAILAND	1	Used (1:D)

## VI. 3. .... CONTRACTOR'S EQUIPMENT LIST

<u>TYPE</u>	<u>Manufacturer</u>	<u>Origin</u>	<u>Source</u>	<u>Q'ty</u>	<u>Condition</u>
Crusher Jaw	WILLIAMS	THAILAND	THAILAND	1	New
Crusher Roll	HYUNDAI	KOREA	R.O.K.	1	New
Crusher Jaw	OTSUKA	JAPAN	JAPAN	1	New
Back Hoe/Tractor 755	FORD	U.S.A	CIBINHONG	2	Used
Crane 70W 670TC	P & H	U.S.A	U.S.A	1	New
Crane 40W HC78BC	LINK BELT	JAPAN	JAPAN	1	New
Crane 40W 440-SP	KOENRING	U.S.A	U.S.A	1	New
Crane 32 W 430TC	P & H	JAPAN	THAILAND	1	Used
Crane 25W 2420	AMERICAN HOIST	U.S.A	U.S.A	1	Used
Excavator UN30	HITACHI	JAPAN	JAPAN	2	New
Pile Hammer K-25	KOBE	JAPAN	JAPAN	1	New
Batch Plant ND-5YD	JOHNSON	U.S.A	U.S.A	3	New
Truck Mixer MTD350B 3.5M3	ISUZU	JAPAN	JAPAN	5	New
Conc. Mixer 0.4M3	SUNITOMO	JAPAN	JAPAN	2	New
Conc. Mixer 0.2M3	YANMAR	JAPAN	THAILAND	2	Used(2:D)
Sheep Foot Roller Single	HYUNDAI	KOREA	R.O.K.	1	Used
Fork Lift Truck 5 W	T.C.M.	JAPAN	JAPAN	1	New
Fork Lift Truck 3.5W	KOMATSU	JAPAN	JAPAN	1	New
Winch 2 W	WILLIAMS	THAILAND	SINGAPORE	2	New
Generator 500KVA	A.E.G.	GERMANY	SINGAPORE	2	New
Generator 175KVA	FIAT ALLIS	U.S.A	U.S.A	2	New
Generator 135KVA	DEUTE	GERMANY	THAILAND	1	Used (2:D)
Generator 125KVA	CATERPILLAR	U.S.A	U.S.A	1	New
Generator 90KVA	ALLIS CHALNER	U.S.A	U.S.A	1	New
Generator 80KVA	CUMMINS	U.S.A	U.S.A	1	New
Generator 62KVA	NISSAN	JAPAN	THAILAND	3	Used(3:D)
Generator 80KVA	ISUZU	JAPAN	THAILAND	1	Used
Generator 45KVA	NISSAN	JAPAN	THAILAND	2	Used(2:D)
Generator 60KVA	FORD	U.S.A	THAILAND	1	Used
Generator 34KVA	BUKH	ENGLAND	U.K.	1	New
Generator 30KVA	G.M.	U.S.A	U.S.A	1	New
Generator 10KVA	YANMAR	JAPAN	JAPAN	1	New
Air Compressor PDS-370	HOKUETSU	JAPAN	JAPAN	1	New
Air Compressor PDR-370	HOKUETSU	JAPAN	SAUDI A.	1	Used
Air Compressor 185CFM	JOY	U.S.A	U.S.A	2	New
Air Compressor RV-120	MITSUI SEIKI	JAPAN	NEW GUINEA	1	Used
Air Compressor 175CFM	HOKUETSU	JAPAN	JAPAN	2	Used
Air Compressor 7.5CFM	MITSUBISHI	JAPAN	THAILAND	2	Used
Air Compressor 7.5CFM	SONCO & IHS	GERMANY	THAILAND	2	Used
Air Compressor 63 CFM	HEIJI	JAPAN	JAPAN	1	New
Air Compressor 63 CFM	HEIJI	JAPAN	THAILAND	1	New
Welding Machine G-203	HOBART	U.S.A.	U.S.A	5	New (2:D)
Welding Machine/Engine	DENYO	JAPAN	INDONESIA	2	New

Type	Manufacture	Origin	Source	Q'ty	Condition
Line Marking 8000	WISCONSIN	U.S.A	THAILAND	1	Used
Conc.Vibrator ALNSMP	KOHRING	U.S.A	U.S.A	20	New(20:D)
Conc.Vibrator TAB/3/753/MP	WACKER	GERMANY	INDONESIA	14	New ( 13:D)
Conc.Vibrator EY/18-2D 7MP	NIKASA	JAPAN	JAPAN	5	New(5:D)
Soil Compactor BS50K	WACKER	GERMANY	INDONESIA	35	New(23:D)
Soil Compactor CO106	DYNAPAC	SWEDEN	SWEDEN	11	New ( 11:D)
Soil Compactor CM-13	DYNAPAC	SWEDEN	SWEDEN	19	New(19:D)
Water Pump 98"		GERMANY	SINGAPORE	1	New(1:D)
Water Pump 96"	YANMAR	JAPAN	JAPAN	4	New(4:D)
Water Pump 94"	ROBBIN	JAPAN	JAPAN	10	New(9:D)
Water Pump 94" Y	YANMAR	JAPAN	JAPAN	4	New(3:D)
Clam Shell Bucket	HYUNDAI	KOREA	R.O.K.	2	Used
Dragline Bucket	HYUNDAI	KOREA	R.O.K.	1	Used
Dump Truck 16B NV112KL	FUSO	JAPAN	SAUDI A	9	Used
Dump Truck 16B EN101E	HINO	JAPAN	JAPAN	8	New
Dump Truck 16B FV112JD	FUSO	JAPAN	JAPAN	16	New(1:D)
Dump Truck 8B KB-113	HINO	JAPAN	JAPAN	15	New(15:D)
Dump Truck 8B TA14	HINO	JAPAN	GUAM	5	Used(5:D)
Trailer & Tractor	WHITE	U.S.A	U.S.A	1	New
Trailer & Tractor	HINO	JAPAN	THAILAND	1	Used
Trailer & Tractor	HINO	JAPAN	CIBINONG	1	Used
Tractor	HINO	JAPAN	CIBINONG	2	Used
Jeep Bronco	FORD	U.S.A	U.S.A	5	New(3:D)
Jeep Land Cruiser	TOYOTA	JAPAN	INDONESIA	7	New
Wagen Jeep Ambulance	TOYOTA	JAPAN	INDONESIA	1	Used(1:D)
Jeep Landrover	LANDROVER	ENGLAND	THAILAND	3	Used(3:D)
Pick Up Hi-Lux	TOYOTA	JAPAN	SINGAPORE	11	New
Pick Up	DATSUM	JAPAN	INDONESIA	8	Used
Pick Up HI Ace	TOYOTA	JAPAN	JAPAN	2	New(1:D)
Pick Up D-300	DODGE	U.S.A	U.S.A	5	New ( 2:D)
Micro Bus	TOYOTA	JAPAN	SINGAPORE	2	New
Sedan Winston	HOLDEN	AUSTRALIA	INDONESIA	1	New
Sedan 160G	DATSUM	JAPAN	INDONESIA	2	New
Sedan Corona	TOYOTA	JAPAN	INDONESIA	3	New
Motor Cycle TS-100	SUZUKI	JAPAN	INDONESIA	3	New
Fuel Tank Truck	NISSAN	JAPAN	THAILAND	1	Used(1:D)
Fuel Tank Truck	I.H	U.S.A.	KOREA	2	Used(2:D)

Note : A. Deadlined for parts  
 B. Deadlined for repair  
 C. Operational set idle  
 D. Unserviceable (Salvage only)

SECTION VI . . . . APPENDIX

VI. 4... CONTRACTOR'S MATERIAL LIST

STATUS OF MATERIAL ON HAND

26 August 1979 to 25 September 1979

<u>I. Imported Material from Korea</u>	<u>Total Q'ty delivered</u>		<u>Q'ty in warehouse</u>	
Re-Bar deformed	6,474.346	Ton	25.569	Ton
Galv. Barbed Wire	654,400	M	29,367.22	M
 <u>II. Imported Material from Singapore</u>				
Asphalt Cement	45,560.881	Ton	386.809	Ton
Galvanised Steel Fence Post	15,100	Pcs.	1,177	Pcs.
 <u>III. Imported Material from Thailand</u>				
R.C. & M.C.	600	Ton	83.08	Ton
R.C. - 2K	380	Ton	66.80	Ton
 <u>IV. Imported Material from Japan</u>				
P.C. Strand Wire # 1/2"	890.859	Ton	18.903	Ton
 <u>V. Imported Material from U.S.A.</u>				
Paint, Ready mixed	23,070.848	Litres	7,337.62	Litres
Glass Sand	90,050	L/B	6,550	L/B
 <u>VI. Locally purchased material</u>				
Re-Bar deformed	553.905	Ton	16.401	Ton

# BEST AVAILABLE DOCUMENT

**JASDRAVI HIGHWAY PROJECT  
STATUS OF CONTRACT CHANGE ORDERS AND FUNDS  
SHEET 1 OF 4**

NO.	DESCRIPTION	SECTION A OR B	RATES				SECTION A		SECTION B		SECTION A & B COMBINED						
			UNIT PRICE	QUANTITY	AMOUNT	DATE	DOLLAR	CUM. TOT.	DOLLAR	CUM. TOT.	DOLLAR	CUM. TOTAL	DOLLAR CUM. TOTAL				
1	INSTALL SIGN MONUMENTS	A	1.00	100	100.00	100	100.00										
2	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
3	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
4	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
5	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
6	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
7	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
8	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
9	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
10	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
11	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
12	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
13	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
14	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
15	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
16	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
17	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
18	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
19	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
20	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
21	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
22	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
23	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
24	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
25	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
26	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
27	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
28	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
29	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
30	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
31	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
32	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
33	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
34	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
35	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
36	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
37	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
38	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
39	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
40	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
41	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
42	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
43	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
44	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
45	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
46	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
47	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
48	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
49	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										
50	PAINT SIGN MONUMENTS	A	0.50	100	50.00	100	50.00										

VI. 6. . . . LISTING OF CONTRACT CHANGE ORDER.

SECTION VI . . . . APPENDIX

# BEST AVAILABLE DOCUMENT

JAGORAWI HIGHWAY PROJECT  
STATUS OF CONTRACT CHANGE ORDERS AND FUNDS  
SHEET 2 OF 4

CONTRACT CHANGE ORDERS										FUNDS									
C.O. No.	DESCRIPTION	SECTION A or B	D A T E S				SECTION A		SECTION B		SECTION A & B COMBINED		SECTION A & B COMBINED		SECTION A & B COMBINED				
			DATE SUBMITTED	DATE ACCEPTED	DATE APPROVED	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR				
ORIGINAL AUTHORIZATION										1,200,000.00	1,200,000.00	1,200,000.00	1,200,000.00	1,200,000.00	1,200,000.00	1,200,000.00	1,200,000.00		
01	RE-ROAD WORKING BUILT NEW 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
02	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
03	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
04	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
05	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
06	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
07	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
08	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
09	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
10	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
11	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
12	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
13	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
14	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
15	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
16	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
17	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
18	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
19	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
20	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
21	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
22	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
23	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
24	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
25	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
26	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
27	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
28	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
29	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
30	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
31	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
32	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
33	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
34	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
35	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
36	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
37	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
38	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
39	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
40	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
41	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
42	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
43	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
44	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
45	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
46	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
47	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
48	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
49	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													
50	CONCRETE SIDE WALKWAY 1/2	0	10/20/70	11/20/70	11/20/70	11/20/70													

NOTE: C.C.O. NO. 04 BY P.B. 048

**JAGRAWI HIGHWAY PROJECT**  
**STATUS OF CONTRACT CHANGE ORDERS AND FUNDS**  
**SHEET 3 OF 4**

CONTRACT CHANGE ORDERS							FUNDS												
C/O NO.	DESCRIPTION	SECTION A B C	E I C NIGHT	CONTR ACCEPT	DATE		SECTION A		SECTION B		SECTION C		SECTION A & B COMBINED		SECTION B & C COMBINED		SECTION A & B & C COMBINED		
					APPROV'D	BY	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH	DOLLAR	RUPIAH
ORIGINAL AUTHORIZATION							00 -	CUM TOT	00 -	CUM TOT	00 -	CUM TOT	00 -	CUM TOT	CUM TOTAL	CUM TOTAL	CUM TOTAL (U.S. \$)		
00	INITIAL TYPICAL SECTION A/B/C	0					100,000.00		1,000,000.00	2,000,000.00		2,000,000.00	2,000,000.00		4,000,000.00	4,000,000.00	4,000,000.00	23,000,000.00	23,000,000.00
01	INITIAL TYPICAL SECTION A/B/C	0																	
02	INITIAL TYPICAL SECTION A/B/C	0																	
03	INITIAL TYPICAL SECTION A/B/C	0																	
04	INITIAL TYPICAL SECTION A/B/C	0																	
05	INITIAL TYPICAL SECTION A/B/C	0																	
06	INITIAL TYPICAL SECTION A/B/C	0																	
07	INITIAL TYPICAL SECTION A/B/C	0																	
08	INITIAL TYPICAL SECTION A/B/C	0																	
09	INITIAL TYPICAL SECTION A/B/C	0																	
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36	INITIAL TYPICAL SECTION A/B/C	0																	
37	INITIAL TYPICAL SECTION A/B/C	0																	
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43	INITIAL TYPICAL SECTION A/B/C	0																	
44	INITIAL TYPICAL SECTION A/B/C	0																	
45	INITIAL TYPICAL SECTION A/B/C	0																	
46	INITIAL TYPICAL SECTION A/B/C	0																	
47	INITIAL TYPICAL SECTION A/B/C	0																	
48	INITIAL TYPICAL SECTION A/B/C	0																	
49	INITIAL TYPICAL SECTION A/B/C	0																	
50	INITIAL TYPICAL SECTION A/B/C	0																	
51	INITIAL TYPICAL SECTION A/B/C	0																	
52	INITIAL TYPICAL SECTION A/B/C	0																	
53	INITIAL TYPICAL SECTION A/B/C	0																	
54	INITIAL TYPICAL SECTION A/B/C	0																	
55	INITIAL TYPICAL SECTION A/B/C	0																	
56	INITIAL TYPICAL SECTION A/B/C	0																	
57	INITIAL TYPICAL SECTION A/B/C	0																	
58	INITIAL TYPICAL SECTION A/B/C	0																	
59	INITIAL TYPICAL SECTION A/B/C	0																	
60	INITIAL TYPICAL SECTION A/B/C	0																	
61	INITIAL TYPICAL SECTION A/B/C	0																	
62	INITIAL TYPICAL SECTION A/B/C	0																	
63	INITIAL TYPICAL SECTION A/B/C	0																	
64	INITIAL TYPICAL SECTION A/B/C	0																	
65	INITIAL TYPICAL SECTION A/B/C	0																	
66	INITIAL TYPICAL SECTION A/B/C	0																	
67	INITIAL TYPICAL SECTION A/B/C	0																	
68	INITIAL TYPICAL SECTION A/B/C	0																	
69	INITIAL TYPICAL SECTION A/B/C	0																	
70	INITIAL TYPICAL SECTION A/B/C	0																	
71	INITIAL TYPICAL SECTION A/B/C	0																	
72	INITIAL TYPICAL SECTION A/B/C	0																	
73	INITIAL TYPICAL SECTION A/B/C	0																	
74	INITIAL TYPICAL SECTION A/B/C	0																	
75	INITIAL TYPICAL SECTION A/B/C	0																	
76	INITIAL TYPICAL SECTION A/B/C	0																	
77	INITIAL TYPICAL SECTION A/B/C	0																	
78	INITIAL TYPICAL SECTION A/B/C	0																	
79	INITIAL TYPICAL SECTION A/B/C	0																	
80	INITIAL TYPICAL SECTION A/B/C	0																	
81	INITIAL TYPICAL SECTION A/B/C	0																	
82	INITIAL TYPICAL SECTION A/B/C	0																	
83	INITIAL TYPICAL SECTION A/B/C	0																	
84	INITIAL TYPICAL SECTION A/B/C	0																	
85	INITIAL TYPICAL SECTION A/B/C	0																	
86	INITIAL TYPICAL SECTION A/B/C	0																	
87	INITIAL TYPICAL SECTION A/B/C	0																	
88	INITIAL TYPICAL SECTION A/B/C	0																	
89	INITIAL TYPICAL SECTION A/B/C	0																	
90	INITIAL TYPICAL SECTION A/B/C	0																	
91	INITIAL TYPICAL SECTION A/B/C	0																	
92	INITIAL TYPICAL SECTION A/B/C	0																	
93	INITIAL TYPICAL SECTION A/B/C	0																	
94	INITIAL TYPICAL SECTION A/B/C	0																	
95	INITIAL TYPICAL SECTION A/B/C	0																	



SECTION VI .... APPENDIX

VI. 7. .... STATUS OF FUNDS AND CONTINGENCY

STATUS OF US DOLLAR FUNDS (AS OF SEPT. 30, 1979)

I.	PROBABLE FINAL COST FOR ITEM WORK AND CONTRACT CHANGE ORDER WORK (INCLUDING UNSIGNED CCO'S).	
	SECTION A .....	\$ 10,040,000.00
	SECTION B .....	\$ 11,500,000.00
	SUB - TOTAL .....	\$ 21,540,000.00
II.	EXCESS MATERIALS ON HAND (90% OF INVOICE VALUE) .....	\$ 104,594.33
III.	PARTICIPATION IN PURCHASE OF EXCESS MATERIALS ON HAND FOR DELIVERY TO BINA MARGA (ADDITIONAL 10% + 25% MARGIN FOR OVERHEAD AND PROFIT) .....	\$ 36,608.00
IV.	PARTICIPATION IN MAJOR ITEM COST ADJUSTMENT .....	\$ 100,000.00
V.	ADDITIONAL AID SHIPPING DEDUCTIONS (SEE AID AUDIT REPORT) (-) \$	258,000.00
VI.	PARTICIPATION IN CLAIM PAYMENTS .....	\$ 7
		\$ 21,523,202.33
VII.	MAINTENANCE EQUIPMENT .....	\$ 660,000.00
VIII.	ENGINEER'S CONTRACT FILE AMENDMENT NO. 1 THRU NO. 5 .....	\$ 3,077,207.00
IX.	ENGINEER'S AMENDMENT FOR STAGE II DESIGN .....	\$ 243,098.77
X.	BANKING CHARGES .....	\$ 45,000.00
XI.	ADDITIONAL BANKING CHARGES DUE TO EXTENSION OF TIDA & TED	\$ 7
	SUB-TOTAL FROM COSTS .....	\$ 25,540,508.10
	AUTHORIZED LOAN AMOUNT .....	\$ 26,000,000.00
	CONTINGENCY .....	\$ 451,491.90

SECTION VI . . . . APPENDIX

VI. 7. . . . STATUS OF FUNDS AND CONTINGENCY (Con'd)

STATUS OF RUPIAH FUNDS (AS OF SEPT. 30, 1979)

I.	SECTION A ITEM WORK + CHANGE ORDERS .....	Rp	3,351,653,730
	SECTION B ITEM WORK + CHANGE ORDERS .....	Rp	3,696,220,109
	CONTRACT AMENDMENT NO. 1 (EST'D FINAL) .....	Rp	2,694,994,657
	CONTRACT AMENDMENT NO. 2 (ORIG. AUTHOR.) .....	Rp	288,460,530
	TOTAL RUPIAH DEVALUATION CLAIM (APPROX. Rp 400,000,000 AUTHOR. TO DATE) .....	Rp	300,000,000
	CIAMI INTERSECTION, CIAMI TOLL PLAZA CLAIM, BOGOR TOLL AND BOGOR CORRECTION .....	Rp	100,000,000
	CONTINGENCY FOR OTHER CLAIMS, OVERSUN/UNDERBUN PRICE ADJUSTMENTS, ETC. ....	Rp	500,000,000
	PURCHASE OF EXCESS MATERIALS .....	Rp	100,000,000
	SUB - TOTAL (PAYMENTS TO HYUNDAI) .....	Rp	11,031,329,026
II.	ENGINEER'S PAYMENTS		
	APPROVED CONTRACT .....	Rp	1,067,190,571
	ADDITIONAL REQUIRED TO COMPLETE INITIAL STAGE SUPERVISION .....	Rp	78,000,000
	STAGE II DESIGN .....	Rp	190,000,000
	SUB - TOTAL (ENGINEER'S CONTRACT) .....	Rp	1,335,190,571
III.	ESTIMATED TOTAL AMOUNT TO BE PAID (ENGINEER + CONTRACTOR) .....	Rp	12,366,519,597
IV.	A CLAIM FOR US\$ 23,800,000 HAS BEEN SUBMITTED BY THE CONTRACTOR.		

SECTION VI . . . . APPENDIX

**VI. 8. . . . STATUS OF CONTRACTOR'S FUNDING APPROVALS DISPERSEMENTS**  
(AS OF SEPTEMBER 30, 1979)

A. DOLLAR AUTHORIZATION (BASIC TENDER) .....	\$ 22,835,329.00
REDUCTION IN L/C FOR SHIPPING DEDUCTIONS .....	\$ 736,300.91
VALUE OF L/C .....	\$ 22,099,028.09
ESTIMATED FINAL CONTRACT AMOUNT .....	\$ 21,523,202.33
EXCESS FUNDS COMMITTED TO CONTRACTOR'S L/C .....	\$ 575,825.76

ESTIMATED ADDITIONAL DOLLAR DISPERSEMENTS TO BE MADE TO THE CONTRACTOR

ESTIMATED FINAL CONTRACT AMOUNT .....	\$ 21,523,028.33
PAYMENTS MADE THRU EST. NO. 62 (JULY 26 THRU AUG. 25, 1979) ..	\$ 21,151,026.35
ESTIMATED ADDITIONAL PAYMENTS TO THE CONTRACTOR .....	\$ 480,175.48

B. RUPIAH AUTHORIZATION (BASIC TENDER) .....	Rp 4,305,078,860
CONTRACT AMENDMENT NO. 1 .....	Rp 2,756,347,000
CONTRACT AMENDMENT NO. 2 .....	Rp 288,460,530
CONTRACT AMENDMENT NO. 3 .....	Rp 1,480,232,749
S U B - T O T A L AUTHORIZED COSTS .....	Rp 8,830,119,139
CONTRACT AMENDMENT NO. 1, REVISION NO. 1 (REVISION) .....	Rp 300,000,000
CONTRACT AMENDMENT NO. 3, SUPPL. NO. 1 (REVISION) .....	Rp 425,213,963
S U B - T O T A L REVISION AUTHORIZED AMOUNT OF Rp L/C .....	Rp 9,555,333,101
ESTIMATED FINAL CONTRACT AMOUNT .....	Rp 11,031,329,026
SHORTAGE OF FUNDS IN REVISION L/C .....	Rp 1,475,995,925

ESTIMATED ADDITIONAL RUPIAH DISPERSEMENTS TO BE MADE TO THE CONTRACTOR

PAYMENTS MADE THRU ESTIMATE NO. 62 (JULY 26 THRU AUG. 25, 1979) :

1. CONTRACT ITEM AND OLD PAYMENTS

SECTION A (THRU EST. NO. 62) .....	Rp 3,209,628,984
SECTION B (THRU EST. NO. 62) .....	Rp 3,659,336,606

2. AMENDMENT NO. 1 (THRU REV.)

SECTION A .....	Rp 1,193,592,203
SECTION B .....	Rp 1,495,393,163

SECTION VI . . . . APPENDIX

**VI. B. . . . STATUS OF CONTRACTOR'S FUNDING APPROVALS DISPERSEMENTS  
(Con'd)**

**B. ESTIMATED ADDITIONAL RUPIAH DISPERSEMENTS TO BE MADE TO  
THE CONTRACTOR (Con'd)**

**3. AMENDMENT NO. 1, REV. NO. 1 (THRU INV. #2)**

SECTION A .....	Rp	253,174,738
SECTION B .....	Rp	40,121,967

**4. AMENDMENT NO. 2 (1004) .....** Rp 288,460,530

**PAYMENTS TO DATE THRU # 62 .....** Rp 10,139,708,190

**ESTIMATED ADDITIONAL PAYMENTS TO THE CONTRACTOR .....** Rp 11,231,329,026  
(-) Rp 10,139,708,190

**ESTIMATED ADDITIONAL PAYMENTS .....** Rp 1,091,620,836

**AMOUNT TREASURY IS CURRENTLY OVERDRAWN .....** Rp 10,139,708,190  
(-) Rp 8,830,119,139

**OVERDRAWN .....** Rp 1,309,589,051