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**REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC HIGHWAYS
MANILA**

**BICOL RIVER BASIN
DEVELOPMENT PROJECTS
SECONDARY & FEEDER ROADS
CAMARINES SUR**

PACKAGE I

**MONTHLY
CONSTRUCTION REPORT**

SEPTEMBER, 1981



**TECHNIKS GROUP CORPORATION
CONSULTING ENGINEERS
PHILIPPINES**

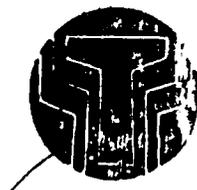
REPUBLIC OF THE PHILIPPINES
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BICOL RIVER BASIN
DEVELOPMENT PROJECTS
SECONDARY & FEEDER ROADS
CAMARINES SUR

PACKAGE I

MONTHLY
CONSTRUCTION REPORT

LIBMANAN BRIDGE-CABUSAO SECTION ---	REPORT NO. <u>37</u>
(SUB-PROJECT 1, SEGMENT "B")	
CALABANGA-MANGUIRING BRIDGE SECTION ---	REPORT NO. <u>33</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.1)	
BRIDGES, CALABANGA-TINAMBAC ROAD ---	REPORT NO. <u>32</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.2)	
MANGUIRING BRIDGE-TINAMBAC SECTION ---	REPORT NO. <u>30</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.2)	
DANAO-PASACAO ROAD - - - - -	REPORT NO. <u>29</u>
(SUB-PROJECT 2)	
TIGMAN AND HIMURAGAT BRIDGES - - - -	REPORT NO. <u>06</u>
(SUB-PROJECT 2, CONTRACT PACKAGE NO.4)	



TECHNIKS GROUP CORP.
CONSULTING ENGINEERS
PHILIPPINES

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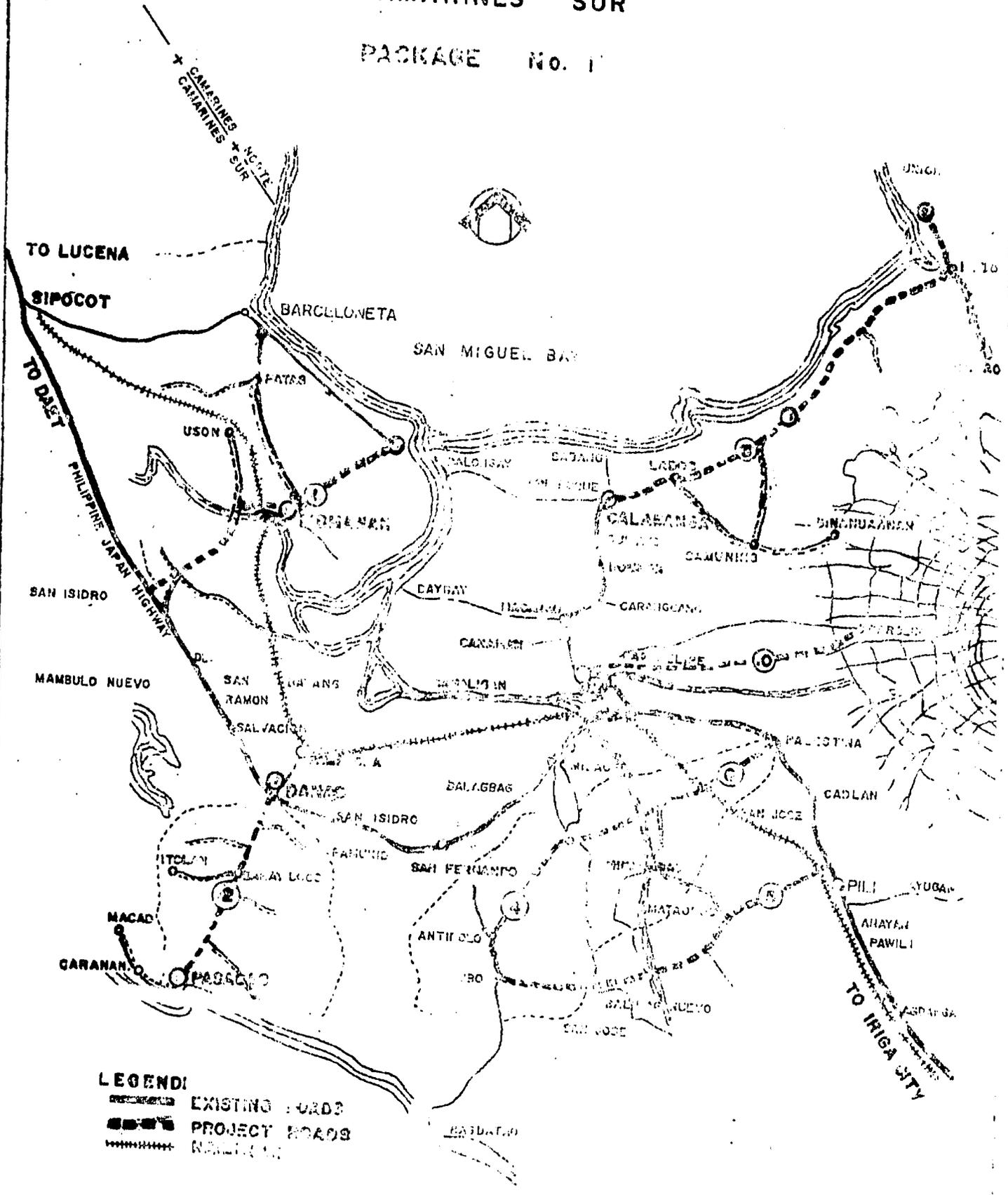
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BICOL RIVER BASIN DEVELOPMENT PROJECT SECONDARY AND FEEDER ROADS CAMARINES SUR

PACKAGE No. 1



LOCATION PLAN

SUMMARY OF PROJECT STATUS

As of September 25, 1981

SUMMARY OF PROJECT STATUS
September, 1981

NAME OF PROJECT : Libmanan Bridge-Cabusao Road Section (For Completion)
 CONTRACTOR : R.L. Umali Construction Corporation (Previous Contractor)
 BALANCE OF WORK (New Contract) - - - - - 37.36 %
 DATE OF BIDDING (New Contract) - - - - - May 7, 1981
 DATE STARTED (-do-) - - - - - Sept. 11, 1981
 CONTRACT TIME (-do-) - - - - - 300 Calendar Days
 CONTRACT AMOUNT (-do-) - - - - - ₱ 8,471,495.28

LEVEL OF IMPROVEMENT :

SECONDARY ROAD - - - - - Portland Cement Concrete Pavement
 (0.20 M. Thick)
 FEEDER ROAD 103 - - - - - Gravel Surfacing (Aggregate Subbase)
 FEEDER ROAD 104 - - - - - Gravel Surfacing (Aggregate Subbase)

STATUS (New Contract)

TITLE	Percent Weight Based on 37.36 Balance	Accomplished Based on Percent weight individual section		Percent Weight individual Section
		This period	Accumulated	
GENERAL	0.82	0	0	2.20
SECONDARY ROAD	35.46	0	0	94.92
FEEDER ROAD 103	0.57	0	0	1.52
FEEDER ROAD 104	0.51	0	0	1.36
T O T A L	37.36			100.00

ACCOMPLISHMENT THIS MONTH - - - - - 0
 PERCENT ACCOMPLISHED (Consolidated) - - - - - 62.64 + 0 = 62.64
 PERCENT TIME ELAPSED - - - - - 5.00

SUMMARY OF PROJECT STATUS

September , 1981

NAME OF PROJECT : CALABANGA - SIBOBO ROAD SECTION

Original contract (under Kamagong Builders and Developers Corporation) was terminated last November 24, 1980 with accomplishment of 65.53 %. Concrete paving of Calabanga Poblacion of about 1.150 kms. was undertaken by Region V - Construction Team, with an accomplishment of 2.18 %. Total accomplishment of 67.71 %.

New Contract

Balance of Work 32.29 %
 Date of Bidding May 7, 1981
 Date Started August 1, 1981
 Contract Time 390 Calendar days
 Contract Amount P 14,812,772.40

NAME OF CONTRACTOR : PRAGMATIC DEVELOPMENT & CONSTRUCTION CORP.

LEVEL OF ACCOMPLISHMENT :

- Secondary Road ; Portland Cement Concrete Pavement.
- Feeder Road 301 : Gravel Surfacing and Bituminous Surface Treatment
- Feeder Road 302 : Gravel Surfacing

STATUS :

Title	Percent Weight Based 23.09	Accomplishment Based on Percent Weight		Status 100 % Individual Section
		This Period	Accumulated	
General	0.34	.055	.080	1.04
Secondary and Feeder Roads	31.95	.125	.42	98.96
Total	32.29	.180	.222	100.00

Accomplishment as of September 25, 1981 . . . P 101,633.00
 Percent Accomplishment (Consolidated) 61.71 + .222 = 67.932
 Percent Time Elapsed 14.36
 Percent Slippage 11.81 (-)

- B -

MISSING PAGE
NO. c

SUMMARY OF PROJECT STATUS
September 1981

NAME OF PROJECT: Sibobo-Tinambac Section
(Originally Manguring Bridge-Tinambac Section)

Original contract (under Kamagong Builders & Developers Corporation) was terminated on November 24, 1980 with an accomplishment of 28.24%.

BALANCE OF WORK (new contract) 71.76%
 DATE OF BIDDING (new contract) May 7, 1981
 DATE TO START (Notice to commence issued July 22, 1981) August 1, 1981
 CONTRACT TIME 366 calendar days
 CONTRACT AMOUNT ₱ 10,534,295.46
 CONTRACTOR Goldrock Construction and Development Corporation

LEVEL OF IMPROVEMENT:

Secondary Road Bituminous Surface Treatment
 Feeder Road 303 Gravel Surfacing (Aggregate Subbase)

STATUS (New Contract)

T I T L E	Percent Weight Based on 71.76%	Accomplished Based on Percent Weight		Status (100%) Individual Section
		This Period	Accumulated	
GENERAL	1.36	0	0.35	1.90
SECONDARY & FEEDER ROAD	70.40	5.90	6.09	98.10
TOTAL	71.76	5.90	6.44	100.00

ACCOMPLISHMENT THIS MONTH ₱ 962,095.80
 PERCENT ACCOMPLISHED (Consolidated) 28.24 + 6.44 = 34.68
 PERCENT TIME ELAPSED 15.03
 PERCENT SLIPPAGE (-) 8.30

SUMMARY OF PROJECT STATUS
September, 1981

Name of Project: DAMAO-PASACAO ROAD

Original contract (under CJT Construction and Equipment Corporation) was terminated on March 2, 1981 as per NPM Memorandum with an accomplishment of 58.14 %.

New Contract

Balance of Work 41.86 %
 Date of Bidding May 7, 1981
 Date to Start (Notice to Proceed issued Aug. 17, 1981 September 2, 1981
 Contract Amount P10,531,802.71
 Contract Time 355 calendar days
 Contractor Marosa Enterprises

Level of Accomplishment:

Secondary Road: Portland Cement Concrete Pavement (0.20 m. 8" thick)
 Feeder Road 202: Gravel Surfacing (Aggregate Subbase)

Status (New Contract)

TITLE	Percent Weight Based on 41.86	Accomplished Based on Percent Wt.		Status (100%) Individual Section
		This Period	Accumulated	
General	0.55	0.02	0.02	1.32
Secondary Rd Feeder Road	41.31	0.03	0.03	98.68
TOTAL	41.86	0.05	0.05	100.00

Accomplishment This Period P13,534.76
 Percent Accomplished (consolidated) 58.14 + 0.05 58.19 %
 Percent Time Elapsed 5.43 %
 Percent Slippage Has not received the Approved PERT/CPM diagram

SUMMARY OF PROJECT STATUS

Sept. 1981

NAME OF PROJECT: Tigman and Himuragat River Bridges

DATE OF BIDDING April 23, 1980

DATE STARTED March 30, 1981

CONTRACT TIME 240 calendar days

CONTRACT AMOUNT ₱ 6,899,561.80

CONTRACTOR A.B. Aguinaldo Construction Corporation

NET LENGTH:

TIGMAN BRIDGE 44.740 L.M.

HIMURAGAT BRIDGE 70.048 L.M.

LEVEL OF IMPROVEMENT Pre-Stress Concrete Girder on Steel
H-Piles with 2-0.76 M. Sidewalk

STATUS:

T I T L E	PERCENT (%) ACCOMPLISHMENT (Ind. Bridge)	Accomplishment Based on % Weight		
		THIS PERIOD	ACCUMULATED TO DATE	TOTAL
1. GENERAL	92.48	0.07	0.85	0.92
2. TIGMAN BRIDGE	67.69	1.77	24.21	35.76
3. HIMURAGAT BRIDGE	36.53	4.27	23.13	63.32
TOTAL		6.10	48.19	100.00

ACCOMPLISHMENT AS OF ~~AUGUST~~ ^{Sept} 25, 1981 ₱ 3,324,689.00

PERCENT ACCOMPLISHMENT AS OF ~~AUGUST~~ ^{Sept} 25, 1981 48.19

PERCENT CONTRACT TIME ELAPSED 75.00

PERCENT SLIPPAGE (-) 37.79

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS

MONTHLY CONSTRUCTION REPORT

For

Sub-project 1
Segment "B"

LIBMAMAN BRIDGE-CABUASO SECTION
Secondary Road

PUROBATYA-USON NO. 103
LIBMANAN-PATAG-BARCELONETA NO. 104
Feeder Roads

No. 37

As of September 25, 1981

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 37
September, 1981

PROJECT : Libmanan Bridge-Cabusao Section
Package I, Sub-Project I, Segment "B"

I. GENERAL :

The original contract for this project under the same Contractor was terminated last November 24, 1980, with a total accomplishment of 62.64 %. The remaining work of 37.36 % was advertised for bidding in Manila, and the same Contractor got the lowest bid price, in the amount of ₱ 8,471,495.28.

The Notice to Proceed was given and the effectivity of the contract is September 11, 1981.

II. WEATHER :

The weather for the period was generally fair except for light rains which was caused by the typhoon "Rubing". The weather report is attached in Annex "A-A".

III. MOBILIZATION :

As of this date, no other equipment has been mobilized by the Contractor, aside for one Crane which is out of order and the batching plant. The manpower of the Contractor is still at minimum as shown in Annex "A-B".

IV. PROGRESS OF WORK :

The construction of major items have not yet been started. However, samples of Fine and Coarse Aggregates for Item 316 were sent to Manila for quality tests.

V. ACCOMPLISHMENT OF MAJOR ITEMS (Accumulated to-date)

A. Secondary Road :

1. Roads :

Subgrade (Item 107) 9.384 kms. (Completed)
 Subbase (Item 108) 9.384 kms. -do-
 Pavement (Item 316) 4,149.98 sq.m. (Partial
 Accomplishment)

2. Bridges

Substructures (Completed)
 Superstructures (Completed)

3. Drainage Structures (Cross Drainage)

<u>Station</u>	<u>Size & Length</u>	<u>Remarks</u>
6 + 115	1-0.90 M.Ø R.C.P. x 15 M.	Completed
6 + 625	1-0.90 M.Ø R.C.P. x 13 M.	Completed
6 + 999	2-1.20 M.Ø R.C.P. x 17 M.	Completed
7 + 150	1-0.90 M.Ø R.C.P. x 13 M.	Completed
7 + 496	1-0.46 M.Ø R.C.P. x 8 M.	Completed
8 + 250	1-0.60 M.Ø R.C.P. x 12 M.	Completed
8 + 440	1-0.60 M.Ø R.C.P. x 12 M.	Completed
9 + 075	1-0.60 M.Ø R.C.P. x 12 M.	Completed
9 + 825	1-0.90 M.Ø R.C.P. x 14 M.	Completed
10 + 291	1-0.90 M.Ø R.C.P. x 13 M.	Completed
10 + 475	1-0.60 M.Ø R.C.P. x 14 M.	Completed
10 + 700	1-0.60 M.Ø R.C.P. x 14 M.	Completed
10 + 950	1-0.60 M.Ø R.C.P. x 13 M.	Completed
11 + 150	1-0.60 M.Ø R.C.P. x 13 M.	Completed
11 + 525	1-0.50 M.Ø R.C.P. x 13 M.	Completed
11 + 875	1-0.60 M.Ø R.C.P. x 13 M.	Completed
12 + 175	1-0.90 M.Ø R.C.P. x 13 M.	Completed

<u>Station</u>	<u>Size & Length</u>	<u>Remarks</u>
12 + 650	1-0.90 M.Ø R.C.P. x 14 M.	Completed
13 + 021	2-0.90 M.Ø R.C.P. x 14 M.	Completed
13 + 335	3-1.20 M.Ø R.C.P. x 13 M.	Completed
13 + 775	1-0.90 M.Ø R.C.P. x 14 M.	Completed
13 + 989	1-1.20 M.Ø R.C.P. x 14 M.	Completed
14 + 211	1-0.90 M.Ø R.C.P. x 13 M.	Completed
14 + 525	1-0.90 M.Ø R.C.P. x 13 M.	Completed

B. FEEDER ROADS :

<u>1. Roads</u>	<u>Feeder Road 103</u>	<u>Feeder Road 104</u>
Subgrade (Item 107)	4.245 Kms.	5.025 Kms.
Metalling (Item 108)	4.245 Kms.	5.025 Kms.
<u>2. Bridges</u>	None	24.00 L.M. (Timber trestle)
<u>3. Drainage Structures</u>		

a. Feeder Road 103

<u>Station</u>	<u>Size & Length</u>	<u>Remarks</u>
0 + 128	1-1.20 M.Ø R.C.P. x 14 M.	Completed
0 + 500	1-0.60 M.Ø R.C.P. x 8 M.	-do-
0 + 649	2-2.15 M. x 1.20 M. x 8 M. RCBC	-do-
2 + 025	1-0.90 M.Ø R.C.P. x 9 M.	-do-
3 + 225	1-0.90 M.Ø R.C.P. x 12 M.	-do-
3 + 335	2-1.20 M.Ø R.C.P. x 16 M.	-do-
3 + 475	1-0.90 M.Ø R.C.P. x 10 M.	-do-
3 + 725	1-0.90 M.Ø R.C.P. x 9 M.	-do-
3 + 906	1-1.80 M. x 1.25 M. x 16 M. RCBC	-do-

b. Feeder Road 104

<u>Station</u>	<u>Size & Length</u>	<u>Remarks</u>
0 + 675	1-0.90 M.Ø R.C.P. x 8 M.	Completed
0 + 931	1-0.90 M.Ø R.C.P. x 11 M.	-do-

<u>Station</u>	<u>Size & Length</u>	<u>Remarks</u>
1 + 500	1-0.90 M.Ø R.C.P. x 9 M.	Completed
2 + 002	1-0.50 M.Ø R.C.P. x 7 M.	-do-
2 + 161	1-0.80 M. x 0.80 M. x 6 M. RCBC	-do-
2 + 764	2-1.75 M. x 1.96 M. x 8 M. RCBC	-do-
3 + 123	3-0.90 M.Ø R.C.P. x 9 M.	-do-
3 + 400	1-1.20 M.Ø R.C.P. x 10 M.	-do-
4 + 025	1-0.60 M.Ø R.C.P. x 7 M.	-do-
4 + 450	1-0.90 M.Ø R.C.P. x 8 M.	-do-
4 + 700	1-0.60 M.Ø R.C.P. x 8 M.	-do-

PERCENT (%) ACCOMPLISHMENT AS OF TO-DATE - - - - - 62.64 %

PERCENT (%) CONTRACT TIME ELAPSED - - - - - 5.00

VI. COMMENTS AND RECOMMENDATIONS:

To facilitate the early start of the project, the Contractor had been advised to bring in, all needed equipment and to procure construction materials, such as cement and reinforcing steel.

PROJECT : LIBMANAN BRIDGE-CABUSAO SECTION

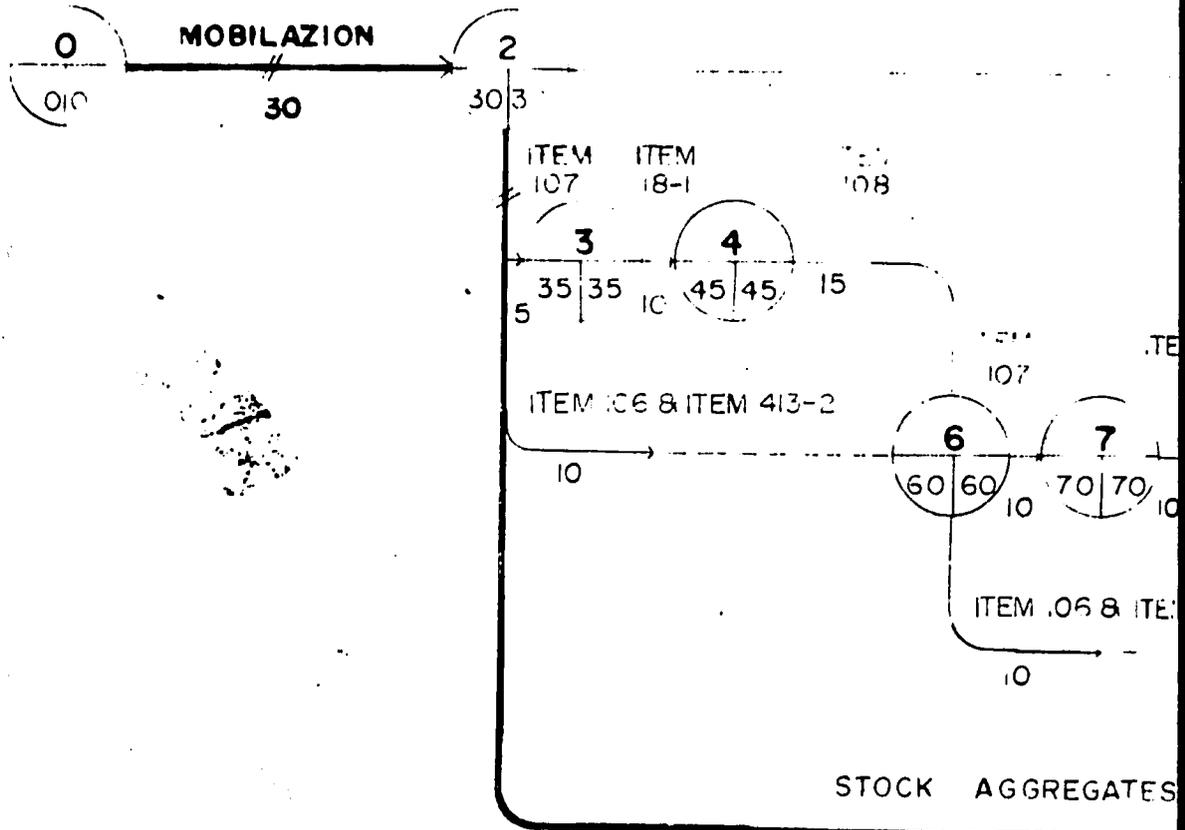
WEATHER REPORT

<u>Date - 1981</u>	<u>Weather Condition</u>	<u>Remarks</u>
Sept. 11	Good	Workable
12	Good	Workable
13	Good	Workable
14	Good	Workable
15	Good	Workable
16	Good	Workable
17	Good	Workable
18	Rainy	Unworkable
19	Rainy	Unworkable
20	Good	Workable
21	Good	Workable
22	Good	Workable
23	Good	Workable
24	Good	Workable
25	Rainy	Unworkable

PROVIDE AND MAINTAIN OFFICE FOR

DATE STARTED SEP 30

GENERAL



F.R. 104

F.R. 103

SECONDARY ROAD

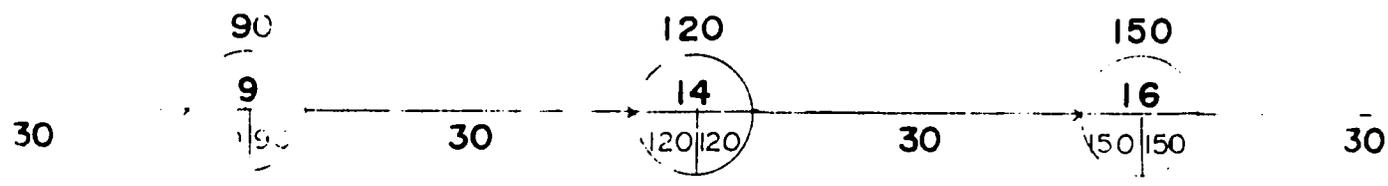
MONTHLY

ACCOMPLISHMENT	5,173.00	155,679.10	264,064
CUMULATIVE ACCOMPLISHMENT	5,173.00	160,852.10	424,916

CONSTRUCTION OF LIBMANAN-CABUSAO ROAD PACKAGE 1

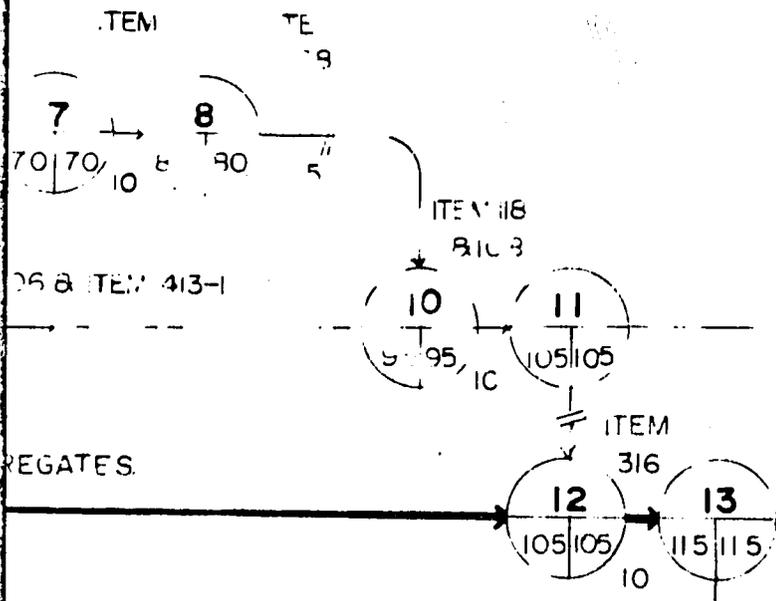
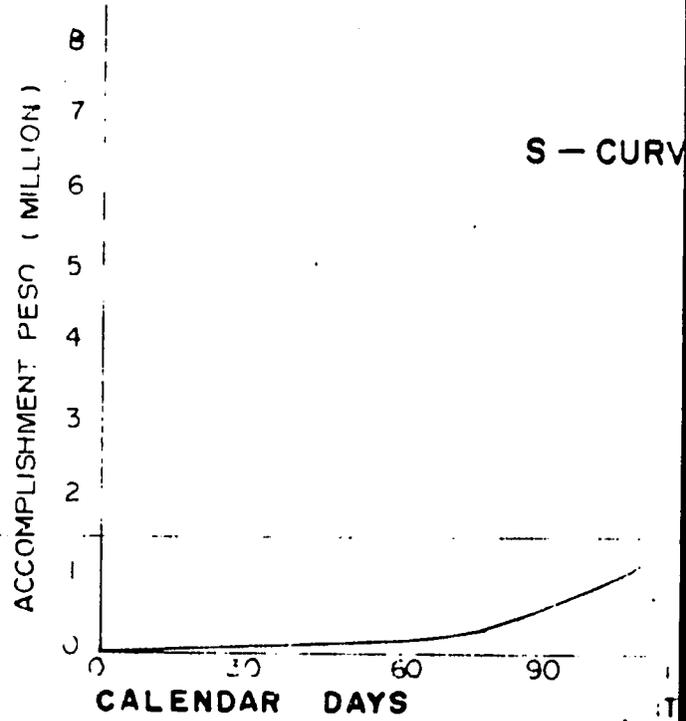
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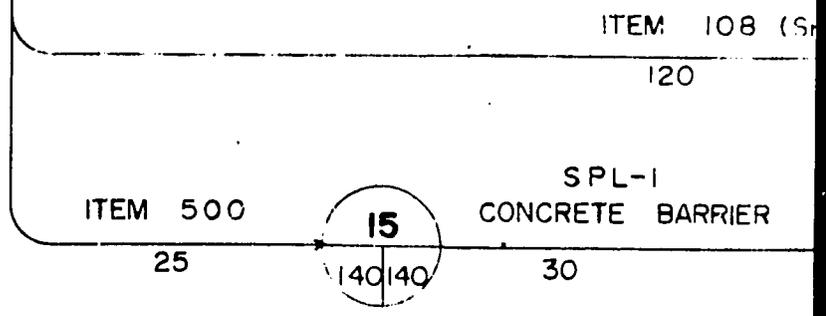
FORCE ACCOUNT WORK

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ITEM 413-1

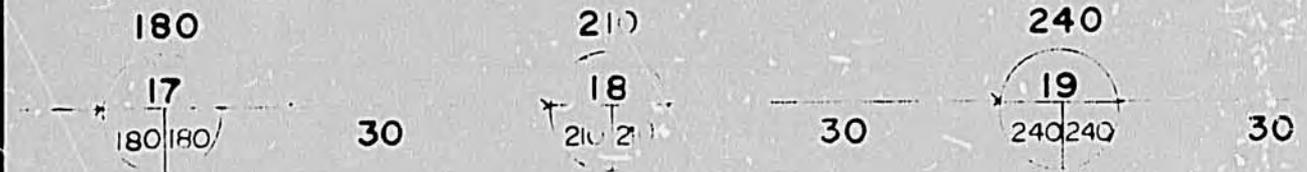
REGATES.



64,064.50	1,294,646.00	1,371,510.50	1,476,757.50
24,916.60	1,719,562.60	3,091,073.10	4,567,830.60

SUB-PROJECT 1, BSFRP

3



E DIAGRAM

- | | MINIMUM EQUIPM | UNIT | ROAD G |
|-----|----------------|------|----------|
| (1) | " | " | TANDEM |
| (2) | " | " | STAKE T |
| (3) | " | " | CRANE 15 |
| (4) | " | " | SHELL AT |
| | " | " | (3/4 CU |
| (5) | " | " | WATER T |
| | " | " | AT 6000 |
| (6) | 3 | " | TRANSIT |

ITEM 118-H & ITEM 108 INCREASE REPAIRS 145

20 50 180 210 240 300

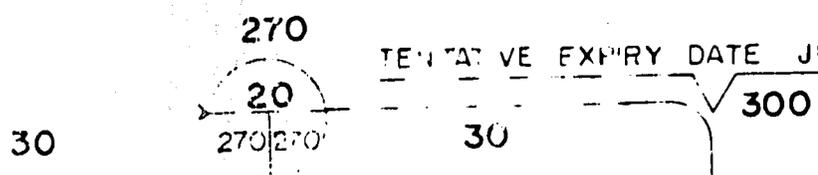
316

155

HOLDING)

50	1,309,392.00	299,426.00	1,097,173.00
60	5,877,222.60	7176,648.60	8,273,821.60

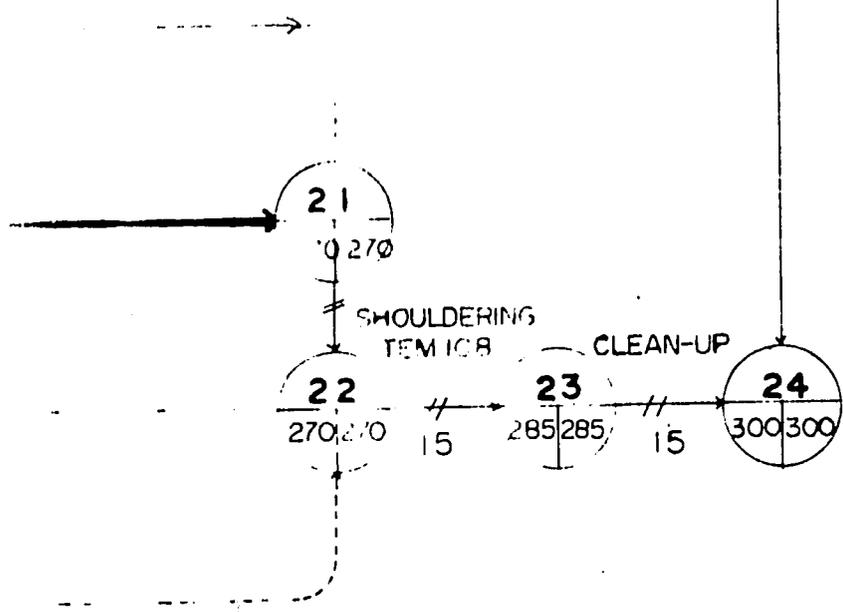
TENTATIVE EXPIRY DATE JULY 8, 1982



NUM EQUIPMENT REQUIRED

- ROAD GRADER 115 HP
- TANDEM ROLLER 8-12 T
- STAKE TRUCK
- CRANE 15 TONS CAPACITY WITH CLAM-SHELL ATTACHMENT OR PAY LOADER (3/4 CU. YD)
- WATER TRUCK WITH PUMP & SPRINKLER AT 6000 L CAPACITY
- TRANSIT CONCRETE MIXER 8 CU. YD.

- (7) 1 UNIT CONCRETE BATCH PLANT 60
- (8) 1 " 1-BAGGER CONCRETE MIXER
- (9) 2 " CONCRETE VIBRATOR 8 HP
- (10) 400 PCS. STEEL FORMS FOR CONCRET
- (11) 1 UNIT CONCRETE SAW
- (12) 1 " BAR CUTTER



097,173.00	197,673.40
3,273,821.60	8,471,495.00

SUBMITTED BY:

R. L. UMALI CONSTRUCTION CORP.

BY:

CH PLANT 60 CU. M./HR.
ETE MIXER
RATOR 8 HP
S FOR CONCRETE PAVING

(SGD.) EDUARDO S. QUINTOS IV
GENERAL MANAGER

RECOMMENDING APPROVAL:

(SGD) WENCESLAO C. DE GUZMAN -
(ASSISTANT DIRECTOR)
EXECUTIVE DIRECTOR FOR
PADAP, BRBDP & SIRDP

APPROVED:

(SGD) OSCAR RODRIGUEZ
DEPUTY MINISTER

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of Sept. 25, 1981)

(1)

Libmanan Bridge-Cabusao Section

Sheet 1 of 1

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	Quantity/Volume	Value
1.60.1	FORCE ACCOUNT WORK (MAINTENANCE OF UNPAVED SECONDARY ROAD)	27 Km. No.	₱ 4,983.00	₱ 134,541.00	0	0	0
1.60.2	PROVIDE & MAINTAIN OFFICE & LABORATORY FOR ENGINEER	10 Mo.	5,173.00	51,730.00	0	0	0
106	EXCAVATION FOR STRUCTURE	125 Cu.m.	25.60	3,200.00	0	0	0
107	BORROW	390 Cu.m.	30.40	11,856.00	0	0	0
108	AGGREGATE SUBBASE	13,100 Cu.m.	55.00	720,500.00	0	0	0
118	REPREPARATION OF PREVIOUSLY CONSTRUCTED SECONDARY ROAD	8.74 Km.	7,382.00	64,518.68	0	0	0
118-1	REPREPARATION OF PREVIOUSLY CONSTRUCTED FEEDER ROADS	9.32 Km.	5,905.00	55,034.60	0	0	0
316	PORTLAND CEMENT CONCRETE PAVEMENT	53,590 sq.m.	136.50	7,315,035.00	0	0	0
413-1	0.46 M. DIAMETER R.C. PIPE	19L.M.	290.00	5,510.00	0	0	0
413-2	0.60 M. DIAMETER R.C. PIPE	13 L.M.	405.00	5,265.00	0	0	0
500	GROUTED RIPRAP	185 Cu.m.	284.00	52,540.00	0	0	0
SPL-1	CONCRETE BARRIER	145 Ea.	357.00	51,765.00	0	0	0
				TOTAL - - -	₱ 8,471,495.28		
					=====		

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS
M a n i l a

MONTHLY CONSTRUCTION REPORT

FOR

Sub-Project 3
Contract Package No. 1

CALABANGA-SIBOBO ROAD SECTION
Secondary Road

LABOG-BINAUAANAN No. 301
MANGUIRING-CAMUNING No. 302
Feeder Roads

No. 35

As of September 25, 1981.

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 33
September, 1981

PROJECT: CALABANGA-SIBOBO ROAD SECTION
(Sub-Project 3, Contract Package No. 1)

CONTRACTOR (NEW) : .PRAGMATIC DEVELOPMENT AND CONSTRUCTION CORPORATION

I. GENERAL:

This thirty third monthly report covers the progress of construction for the month of September, 1981.

The construction activities are as follows:

- a) Survey Work
- b) Earthwork Operation
- c) Plotting of cross-section

II. WEATHER:

The weather condition for the month was generally fair. There were few days of scattered rain caused by typhoon "Rubing".

III. MOBILIZATION:

As of this period the new contractor initially mobilized about 35.42% of the required equipment as shown in the attached List of Equipment, Annex "B-B".

IV. PROGRESS OF WORK:

The total work accomplished as of this report is 0.69% while the contract time elapsed is 14.36%. The new contractor had a negative slippage of 11.81% based on the approved PERT/CPM Diagram.

A. Secondary Road:

Survey Work:

1. Pre-construction survey was completed
2. Plotting of cross section is in progress
3. Checking of subbase elevation from Sta. 4 + 175 to Sta. 4 + 300 and from Sta. 6 + 050 to Sta. 6 + 200.

Earthwork:

Item 1.60.1 - MAINTENANCE OF UNCOMPLETED ROAD SECTION

The new contractor started the maintenance work along the Secondary Road by backfilling the potholes with good granular materials and compacting and cleaning the side ditches.

Item 105 - ROADWAY AND DRAINAGE EXCAVATION

The new contractor excavated and compacted about 400 cu.m. along the Secondary Road at the following sections:

Sta. 4 + 175 - Sta. 4 + 300

Sta. 6 + 050 - Sta. 6 + 200

Item 107 - BORROW

about 70 cu.m. of common borrow were delivered and compacted from Sta. 5 + 275 to Sta. 5 + 760 along Secondary Road.

Item 108 - AGGREGATE SUBBASE

As of to-date, the contractor has delivered, spread and compacted about 400 cu.m. of aggregate subbase materials at the following sections of the Secondary Road:

Sta. 3 + 960 - Sta. 4 + 175

Sta. 5 + 550 - Sta. 5 + 900

Sta. 8 + 125 - Sta. 8 + 675

B. Feeder Roads:

B-1. Feeder Road 301:

Survey Work:

1. Pre-construction survey is in progress
2. Plotting of cross section is also in progress

Earthwork:

Item 108 - AGGREGATE SUBBASE

About 150 cu.m. were delivered, spread and compacted from Sta. 6 + 650 to Sta. 6 + 850 along Feeder Road 301.

B-2 Feeder Road 302:

The contractor has no activity for survey and earthwork during the month.

V. MATERIALS TESTING AND QUALITY CONTROL:

During the month, the Contractor's Laboratory Staff under the supervision of the A & E Materials Engineer performed the following laboratory and field tests:

a) Grading:

Item 105 - - - - - 2

Item 107 - - - - - 1

Item 108 - - - - - 2

Item 316:

Fine Aggregate - - - - 1

Coarse Aggregate - - - - 1

b) Liquid and Plastic Limit:

Item 105 - - - - - 2

Item 107 - - - - - 1

Item 108 - - - - - 2

c) Laboratory Compaction:

Item 105 - - - - - 2

Item 107 - - - - - 1

Item 108 - - - - - 2

d) Field Density Test:

Item 105 - - - - - 2

Item 107 - - - - - 1

Item 108 - - - - - 2

e) Trial Mix in preparation for Item 405 and Item 316.

VI. ACCOMPLISHMENT OF MAJOR ITEMS (Accumulated as of this Period)

A. Secondary Road

Subgrade:

Sta. 0 + 000 to Sta. 9 + 904 - - - Completed

Sta. 9 + 904 to Sta. 11 + 478 - - Partial

Subbase

Sta. 0 + 000 to Sta. 1 + 150 - - - Completed
Sta. 1 + 150 to Sta. 1 + 760 - - - Partial
Sta. 1 + 760 to Sta. 3 + 475 - - - Completed
Sta. 3 + 475 to Sta. 9 + 904 - - - Partial

P.C. Concrete Pavement

Sta. 0 + 000 to Sta. 1 + 150 - - - Completed

Structures

Reinforced Concrete Box Culverts

Sta. 0 + 166 1 - 0.80 x 0.80 x 8.10 m. - Completed
Sta. 0 + 725 1 - 0.80 x 0.80 x 8.10 Completed
Sta. 1 + 423 1 - 0.80 x 0.80 x 8.10 Completed
Sta. 4 + 028 2 - 1.80 x 2.10 x 21.50 m.
Barrel completed, No wingwall
and apron
Sta. 5 + 780 2 - 1.80 x 1.80 x 20.00 m.
Barrel completed, no wingwall
and apron
Sta. 7 + 175 1 - 1.80 x 1.80 x 20.00 m.
Barrel completed, no wingwall &
apron

R.C. Pipe Culvert

<u>Item No.</u>	<u>Description</u>	<u>% Accomplished</u>
413-2	0.60 m ϕ = 81 L.M.	100
413-3	0.90 m ϕ = 53 L.M.	100
413-4	1.20 m ϕ = 39 L.M.	36.67

B. Feeder Road 301

Subgrade

Sta. 0 + 013.05 to Sta. 7 + 500 - - - Completed

Sta. 7 + 500 to Sta. 12 + 913 - - - - Partial

Subbase

Sta. 0 + 013.05 to Sta. 4 + 550 - - - Completed

Sta. 4 + 550 to Sta. 7 + 500 - - - - Partial

Structures

Reinforced Concrete Box Culverts

Sta. 7 + 470 3 - 2.40 x 2.75 x 22.00 m.
Completed

Sta. 9 + 775 3 - 2.40 x 2.75 x 20.00 m.
Completed

Sta. 10 + 312 1 - 2.40 x 1.80 x 24.00 m.
Half of barrel completed, no
wingwall and apron

Sta. 11 + 465 1 - 2.40 x 1.80 x 23.50 m.
Barrel completed, no wingwall
and apron

R.C. Pipe Culvert

Item No.	Description	% Accomplished
413-2	0.60 m ϕ = 90 L.M.	82.57
413-4	1.20 m ϕ = 100 L.M.	90.90

C. Feeder Road 302

Subgrade

Sta. 0 + 014.72 to Sta. 5 + 297.93 - - Completed

Subbase

Sta. 0 + 014.72 to Sta. 4 + 298 - - - - Completed

Sta. 4 + 298 to Sta. 5 + 278 - - - - - Partial

Structures

R.C. Pipe Culvert

Item No.	Description	% Accomplished
413-2	0.60 m ϕ = 18 L.M.	100
413-4	1.20 m ϕ = 26 L.M.	100

VII. COMMENTS AND RECOMMENDATION:

The equipment presently available at the project site were adequate for Items of work undertaken during the month. However, the Contractor was advised to bring in the Secondary Rock Crusher and other needed equipment to hasten the progress of construction.

PROJECT: CALABANGA-SIBOBO ROAD SECTION
 (Sub-project 3, Contract Package No. 1)

WEATHER REPORT

<u>DATE - 1981</u>	<u>Weather Condition</u>	<u>Remarks</u>
August 25	Good	Workable
26	Good	-do-
27	Good	-do-
28	Good	-do-
29	Good	-do-
30	Good	-do-
31	Good	-do-
September 1	Fair w/ rain at 2:00 p.m.	-do-
2	Good	-do-
3	Good	-do-
4	Good	-do-
5	Good	-do-
6	Good	-do-
7	Good	-do-
8	Good	-do-
9	Good	-do-
10	Good	-do-
11	Good	-do-
12	Good	-do-
13	Good	-do-
14	Good	-do-
15	Fair w/ scattered rain	-do-
16	Fair w/ scattered rain	-do-
17	Cloudy w/ scattered rain	-do-
18	Cloudy w/ scattered rain	-do-
19	Cloudy w/ rain in the afternoon (Typhoon Rubing)	-do-
20	Cloudy	-do-
21	Cloudy w/ scattered rain	-do-
22	Good	-do-
23	Good	-do-
24	Cloudy with scattered rain	-do-
25	Rainy	-do-

PRAGMATIC DEVELOPMENT & CONST. CORP.
 Calabanga-Sibobo Road Section
 (Package I Sub-Project No. 3)

LIST OF EQUIPMENT
 (As of September, 25, 1981)

<u>DESCRIPTION</u>	<u>QUANTITY</u>
Buldozer, Caterpillar	1
Road Roller	1
Pay Loader	2
Dump Truck	5
Road Grader	1
Back Hoe	1
Rock Crusher	1
Concrete Vibrator	2
Concrete Mixer - 1 Bagger	2
Water Truck	1
Water Pump	1
Welding Machine	1
Bar Cutter	3
Oxy Acetylene	1
Prime Mover - Tractor Trailer	1
Service Vehicle	2

SUBMITTED BY:

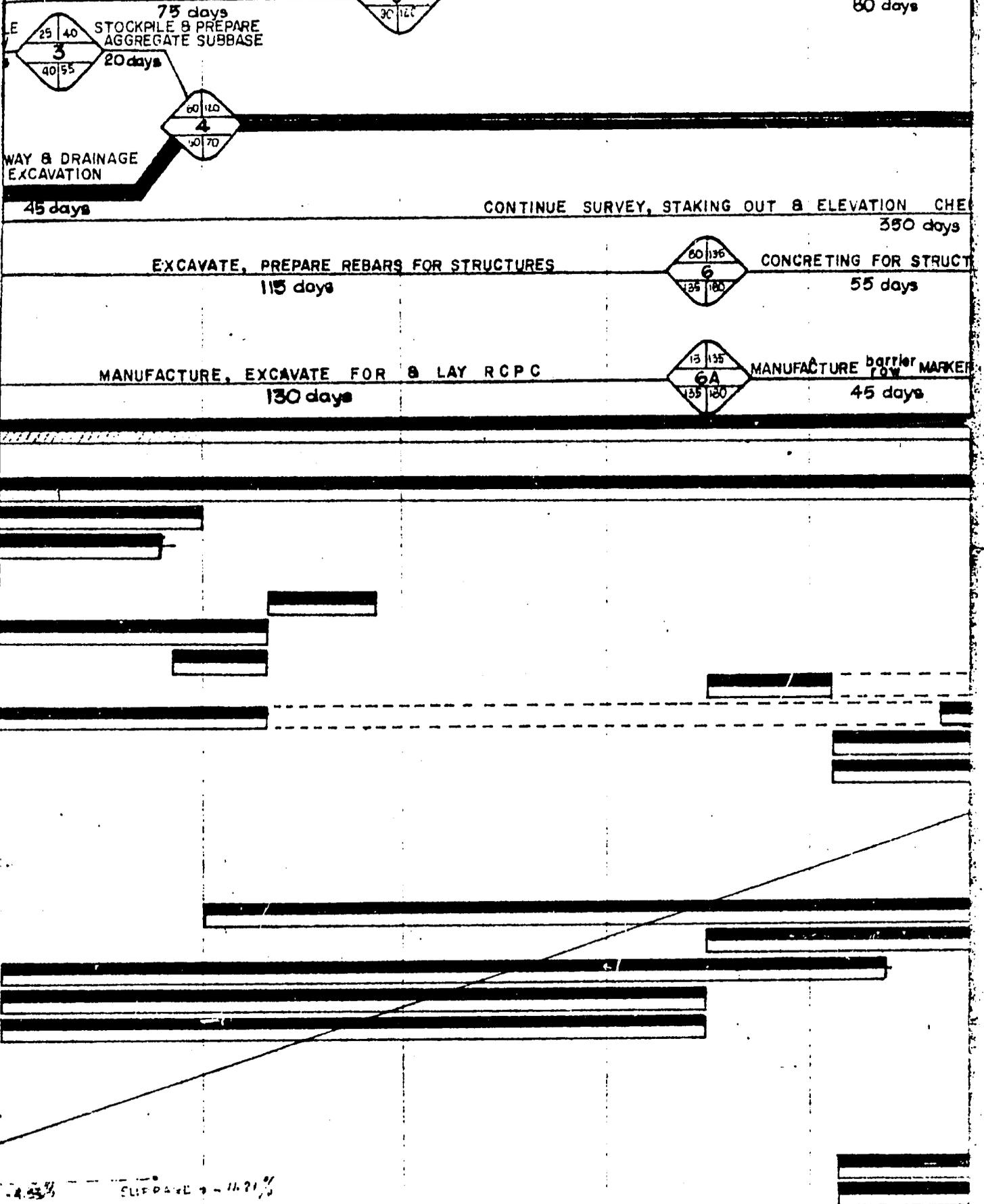
(SGD.) JOSE A. RECENTES
 Project Manager

Note: Percentage of Equipment availability = 35.42 %.

CONSTRUCT R.E. FACILITIES

PREPARE, PREV. CONSTRUCT

2



357%	13.9286%	20.4366%	31.7887%	40.5572%
(1,269,676.70)	(964,015.34)	(1,681,116.30)	(1,299,302.30)	(1,069,304.54)
(2,063,211.70)	(3,027,227.04)	3,027,227.04	(4,708,343.30)	(6,007,645.80)
				(7,076,950.14)

APPROVAL:

(SGD) WENCESLAO DE GUZMAN
 EXECUTIVE DIRECTOR for PADAR, BRBDP & SIRDP

APPROVED:

AD



LAY ASPHALT P.V.T.

20 days

3

CONCRETE PAVING

305 days

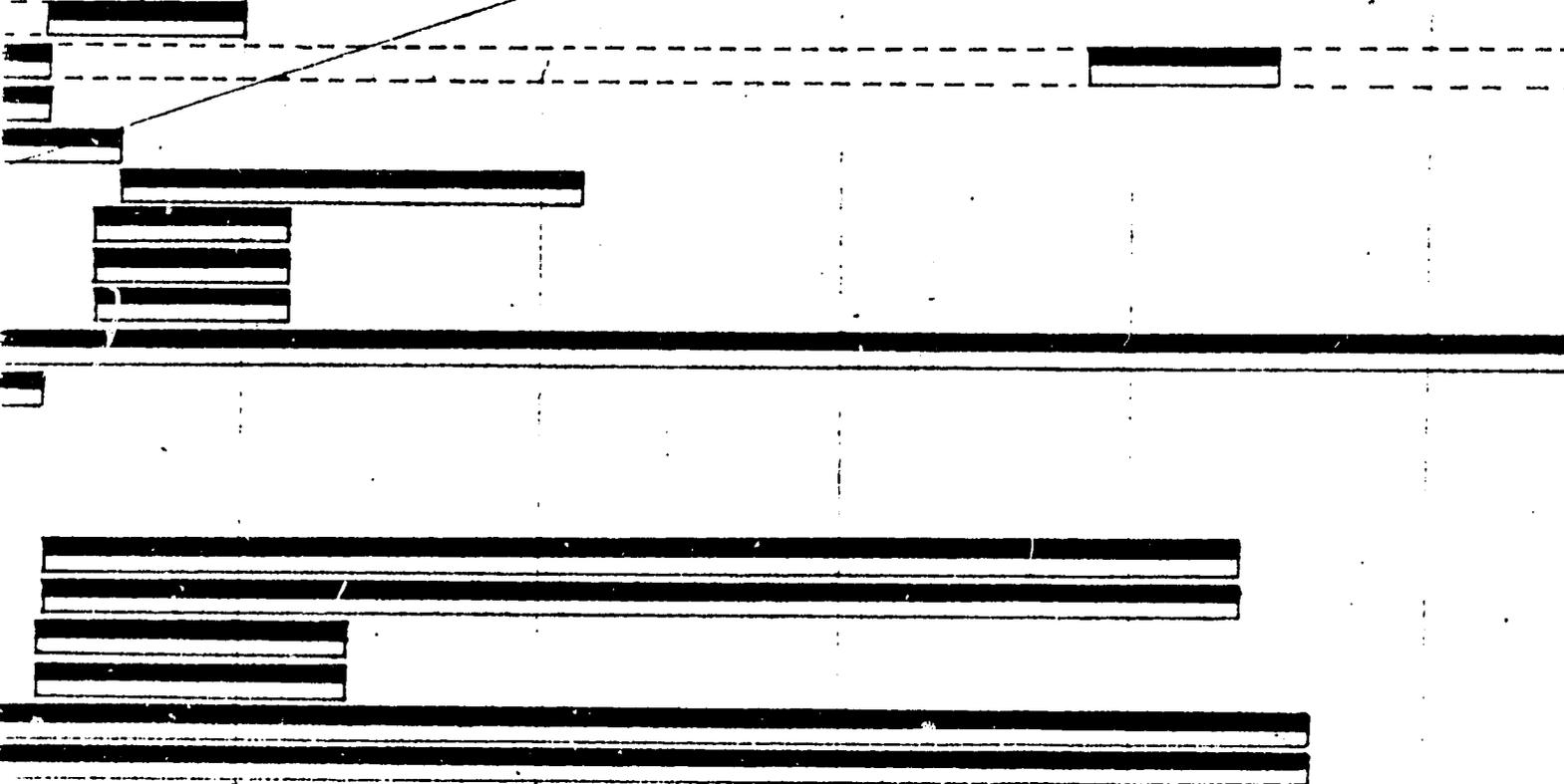


GROUTED RIPRAP & ROADWAY EMBANKMENT (HANDLING)

175 days

INSTALL, ROW & BARRIER MARKER

120 days

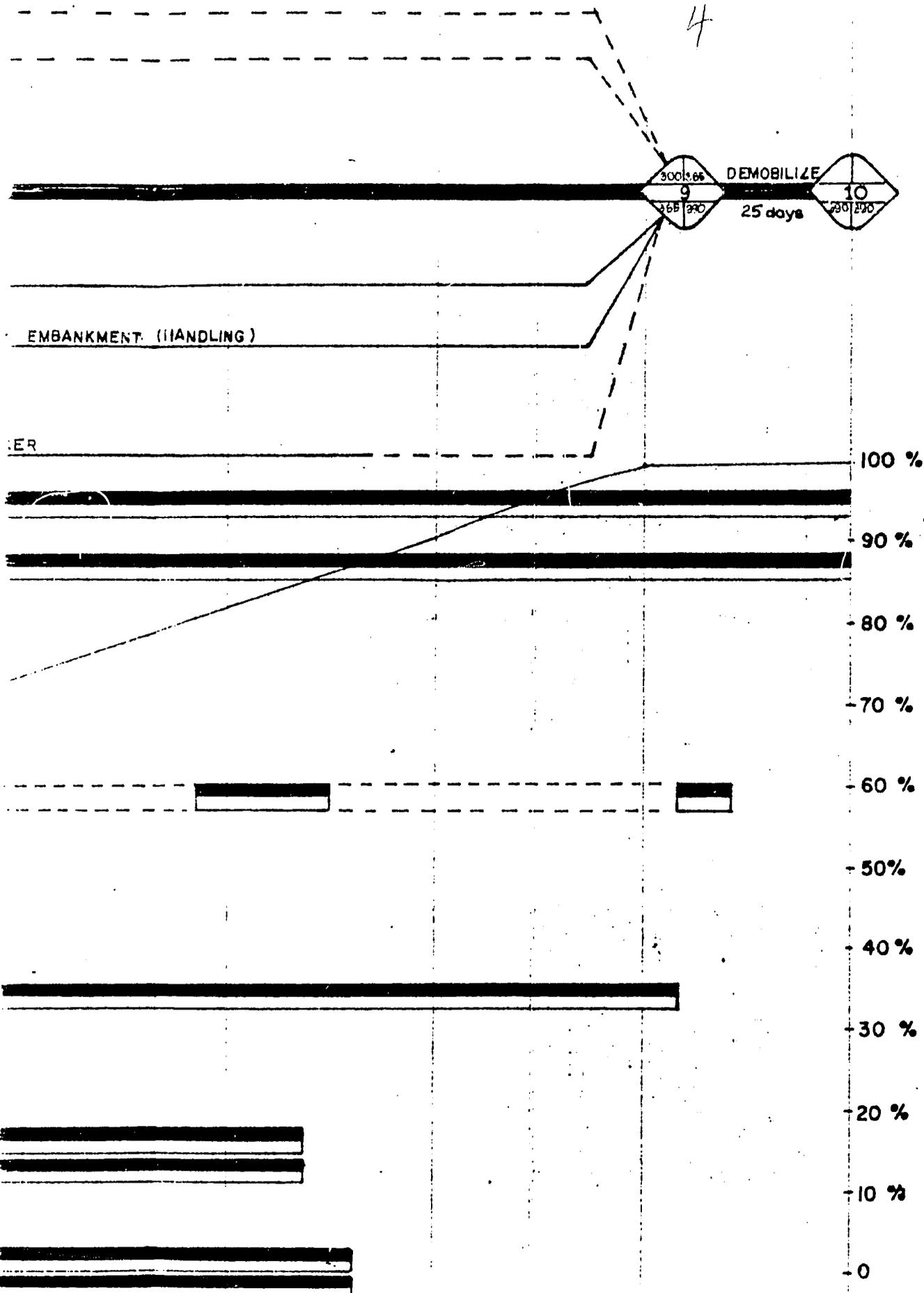


(1,440,393.00)	57.530%	(1,322,572.10)	66.4286%	(1,307,211.52)	75.2538%	(1,232,111.00)	83.5714%	(1,322,574.00)	92.5000%	(1,055,914.00)
14 (8,517,343.10)		(9,839,915.20)		(11,147,126.72)		11,147,126.72		(12,379,237.00)		(13,701,811.00)
										(14,756,914.00)

HON. OSCAR RODRIGUEZ
DEPUTY MINISTER MPH

PROGRESS SCHED
CALABANGA - SIB

4



25.35%	(1,232,111.00)	83.574%	(1,322,574.00)	92.570%	(1,055,099.00)	99.6229%	(55,862.40)	100%
7,126.72	(12,379,237.00)	(13,701,811.00)	(14,756,910.00)	14,756,913.43	(14,812,772.40)			

**PROGRESS SCHEDULE / CASH FLOW
CALABANGA - SIBOBO ROAD**

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of September 25, 1981)

CALABANGA-SIBOBO ROAD SECTION

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	QUANTITY/VOLUME	VALUE
1.60.1	PROVIDE AND MAINTAIN LABORATORY AND OFFICE FOR ENGINEER.	13	Lump Sum	₱ 67,250.00	15.38	2 months	₱ 10,040.00
1.60.3	FORCE ACCOUNT WORK (MAINTENANCE OF UNCOMPLETED ROAD SECTION)	16	5,202 km/mo.	83,232.00	31.25	5 km	26,010.00
1.60.4	FORCE ACCOUNT WORK (DEMOLITION OF END SECTION OF EXISTING IRRIGATION RC BOX CULVERT			5,390.00			
103(2)	REMOVAL OF CULVERT	2 EA.	688.00 EA.	1,376.00			
105(1)	ROADWAY AND DRAINAGE EXCAVATION (WASTE)	2,692 cu.m.	30.60/cu.m.	82,375.20			
105(2)	ROADWAY AND DRAINAGE EXCAVATION (SOLID ROCK)	730 cu.m.	64.70/cu.m.	47,231.00			
105(3)	ROADWAY AND DRAINAGE EXCAVATION	11,724 cu.m.	41.00/cu.m.	480,684.00	3.41	400 cu.m.	16,400.00
106	EXCAVATION FOR STRUCTURE	574 cu.m.	79.10/cu.m.	45,403.40			
107	BORROW	1,050 cu.m.	48.90/cu.m.	51,345.00	6.67	70 cu.m.	3,423.00
108	AGGREGATE SUBBASE	17,300 cu.m.	83.20/cu.m.	1,437,360.00	3.18	550 cu.m.	45,760.00
110	FOUNDATION FILL	47 cu.m.	79.50/cu.m.	3,736.50			
118	REPREPARATION OF PREVIOUSLY CONSTRUCTED ROAD	9.9 km.	8,350/km.	82,665.00			
118-1	REPREPARATION OF PREVIOUSLY CONSTRUCTED ROAD (FOR F.R.)	12.8 km.	7,350/km.	94,080.00			
302(1)	MEDIUM CURING CUT-BACK ASPHALT GRADE MC-1 FOR BITUMINOUS PRIME COAT	8 M.T.	3,200/M.T.	25,600.00			

B-12

ITEMIZED COMPUTED ACCOMPLISHMENT

(As of Sept. 25, 1981)

CALABANGA-SIBOBO ROAD SECTION

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	QUANTITY/VOLUME	VALUE
314(1)	AGGREGATE FOR BITUMINOUS SURFACE TREATMENT (HOT ASPHALT TYPE)	55 cu.m.	199.90/cu.m.	10,944.50			
314(3)	ASPHALT CEMENT, PENETRATION GRADE 85-100, FOR BITUMINOUS SURFACE TREATMENT	13 M.T.	4,320.50/M.T.	56,166.50			
316	PORTLAND CEMENT CONCRETE PAVEMENT (0.20 M. THICK)	68,425sq.m.	162.00/sq.m.	11,084,850.00			
405 (1)	CONCRETE CLASS "A" (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)	398 cu.m.	974.60/cu.m.	387,890.80			
406	REINFORCING STEEL (FOR DRAINAGE & MISCELLANEOUS STRUCTURES)	26,480 kg.	7.50 kg.	198,600			
413(2)	0.60M. DIA. R.C.P.	56 L.M.	465.10/L.M.	26,045.60			
413(3)	1.20 M DIA. R.C.P.	9 L.M.	605.50/L.M.	5,449.50			
500	RIPRAP AND GROUTED RIPRAP	830cu.m.	361.50/cu.m.	300,045.00			
501	HANDLAID ROCK EMBANKMENT	1,600 cu.m.	99.90/cu.m.	159,840.00			
509(5)	UNDERDRAIN 0.45 M. DIA. PERFORATED CONCRETE PIPE	10 L.N.	400 L.M.	4,000.00			
509(5)	AGGREGATE FOR UNDERDRAIN	30 cu.m.	71.00/cu.m.	2,130.00			
510	RIGHT-OF-WAY	764 EA.	69.90/EA.	53,403.60			
SPL	CONCRETE BARRIER	132 EA.	118.40/EA.	15,628.80			
		TOTAL	-----	14,812,772.40			101,633.00

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS
M a n i l a

MONTHLY CONSTRUCTION REPORT

F O R

Sub-project 3
Contract Package No. 2

SIBOBO - TINAMBAC ROAD SECTION

NO. 30

As of September 25, 1951

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 30

September 1981

PROJECT: SIBOBO TINAMBAC SECTION
(Originally Manguring Bridge-Tinambac Section)
Sub-Project 3, Contract Package No. 2

CONTRACTOR: GOLDROCK CONSTRUCTION & DEVELOPMENT CORPORATION

I. GENERAL:

This thirtieth monthly report covers the progress of construction for the month of September 1981.

II. WEATHER:

The weather condition for the first half of the month was generally fair and in the latter part, rainy caused by typhoon "Rubing" as can be gleaned in the attached Weather Report.

III. MOBILIZATION:

The equipment presently available at the project site was shown in the attached List of Equipment, Annex "D-A".

IV. PROGRESS OF WORK:

A. SECONDARY ROAD:

Survey Work:

1. Cross-sectioning, checking of benchmarks and alignment were completed
2. Plotting of cross section survey is in progress
3. Staking of slopes along the existing concrete pavement is in progress.

Earthwork:

Item 100 - CLEARING AND GRUBBING

The Contractor continue clearing and grubbing from Sta. 19 + 275 to Sta. 19 + 325 by assigning some laborers and one bulldozer. Coconut trees, tall grasses and other unsuitable materials were removed before excavation on that particular section was made.

Item 105-1 - ROADWAY AND DRAINAGE EXCAVATION (WASTE)

With the use of a bulldozer and a payloader, the contractor continue widening and ditching along the existing concrete pavement.

Item 105-2 - ROADWAY AND DRAINAGE EXCAVATION (SOLID ROCK)

Initial blasting of solid rocks by the use of explosives has been started from Sta. 17 + 469 to Sta. 17 + 501 and at Sta. 19 + 147 to Sta. 19 + 160.

Item 105-3 - ROADWAY AND DRAINAGE EXCAVATION

The contractor continue excavation of embankment materials at Sta. 19 + 275 to Sta. 19 + 325 and at Sta. 20 + 000 to Sta. 20 + 700. Excavated materials were delivered, spread and compacted at bridge approaches.

Item 107 - BORROW

The contractor continue filling bridge approaches with borrow materials (Tumulos, Tiguib, Hubo and Kawayan Bridges). Fill materials were adequately compacted and the field density tests were undertaken with satisfactory results.

Item 118 - REPREPARATION OF PREVIOUSLY CONSTRUCTED ROAD

The contractor continue reparation of existing roadway, including shoulder and ditches to drain water from Sta. 15 + 100 to Sta. 20 + 100.

Item 413 - REINFORCED CONCRETE PIPE

Reinforcing steel bars which were previously cut and bent were incorporated to the following R.C. Pipes which were already fabricated.

0.60 M. Dia. RCP - - - - - 32 pcs.

0.90 M. Dia. RCP - - - - - 28 pcs.

1.20 M. Dia. RCP - - - - - 15 pcs.

B. FEEDER ROAD 303:

Survey of the existing road, checking of benchmark's elevation and alignment.

V. MATERIALS TESTING AND QUALITY CONTROL:

During the month samples of materials for quality test were sent to Soil and Materials Quality Control Section (SMQCS) Intramuros Manila, such as:

1. Cement
2. Coarse and Fine Aggregate
3. Reinforcing Steel Bars
4. Materials for Items 105 and 108

Likewise, the contractor's Laboratory Staff under the supervision of the A & E Materials Engineer performed the following Laboratory and Field Tests:

Grading Test - - - - - 2
 Liquid and Plastic Limit - - - - - 2
 Compaction Test - - - - - .2
 Field Density Test - - - - - 5
 Concrete Cylinder - - - - - 3 sets

IV. ACCOMPLISHMENT OF MAJOR ITEMS (Accumulated as of this report period)

A. SECONDARY ROAD:

Subgrade:

<u>Station</u>	<u>Remarks</u>
14 + 325 - 15 + 450	Completed
15 + 450 - 16 + 391	Partial
16 + 415.65 - 16 + 500	Partial
16 + 500 - 17 + 150	Completed
17 + 150 - 17 + 600	Partial
17 + 600 - 18 + 207.90	Completed
18 + 283.23 - 19 + 240	Partial
19 + 350 - 19 + 950	Partial
22 + 310 - 23 + 650	Partial

Subbase:

<u>Station</u>	<u>Remarks</u>
9 + 934.88 - 18 + 207.90	Partial

Structure:

A. Item 413-1 - 0.60 M. Dia. R.C.P.

<u>Station</u>	<u>Accomplishment</u>	<u>Remarks</u>
14 + 425	7.20 L.M.	3 L.M. additional
14 + 750	16.80 L.M.	Completed
14 + 950	7.20 L.M.	8 L.M. additional
15 + 100	12.00 L.M.	5 L.M. additional
15 + 262	<u>7.00 L.M.</u>	Completed
TOTAL	50.20 L.M.	

B. Item 413-3 - 0.90 M. Dia. R.C.P.

<u>Station</u>	<u>Accomplishment</u>	<u>Remarks</u>
15 + 867	12.00 L.M.	1 L.M. additional
16 + 624	21.00 L.M.	Completed
18 + 514	16.80 L.M.	1.20 L.M. additional
18 + 708	9.80 L.M.	8.40 L.M. additional
18 + 940	<u>18.00 L.M.</u>	Completed
TOTAL	77.40 L.M.	

C. Item 413-4 - 1.20 M. Dia. R.C.P.

<u>Station</u>	<u>Accomplishment</u>	<u>Remarks</u>
11 + 534	6 L.M.	Completed
17 + 127	7 L.M.	7 L.M. additional
17 + 419	<u>21 L.M.</u>	Completed
TOTAL	34 L.M.	

B. FEEDER ROAD:

Subgrade:

<u>Station</u>	<u>Remarks</u>
0 + 015 - 6 + 774.96	Partial

Structure:

<u>Station</u>	<u>Accomplishment</u>	<u>Remarks</u>
1 + 412	24 L.M. (2 lines)	Completed

VII. COMMENTS AND RECOMMENDATIONS:

During the latter part of the month, the contractor has limited earthwork operation due to heavy rains brought by typhoon "Rubing" and problems in the acquisition of the road right-of-way.

With the mobilization of the rock crusher, production of aggregates was started and it is greatly anticipated that the progress of construction would be hasten.

PROJECT: SIBOBO-TINAMBAC SECTION
 (Sub-Project 3, Contract Package No. 2)

WEATHER REPORT

<u>Date - 1981</u>	<u>Weather Condition</u>	<u>Remarks</u>
August 26	Fair	Workable
27	Fair	-do-
28	Fair	-do-
29	Fair	-do-
30	Fair	-do-
31	Fair	-do-
September 1	Fair	-do-
2	Fair	-do-
3	Fair	-do-
4	Fair	-do-
5	A.M.: Fair; P.M.: Rainy	-do-
6	Fair	-do-
7	Fair	-do-
8	Fair	-do-
9	Fair	-do-
10	Rainy	-do-
11	Rainy	-do-
12	Rainy	-do-
13	Rainy	-do-
14	Rainy	-do-
15	Cloudy - Rainy	Unworkable
16	Cloudy - Rainy	Unworkable
17	Cloudy - Rainy	Unworkable
18	Cloudy - Rainy	Unworkable
19	Rainy typhoon "Rubing"	Unworkable
20	Rainy	Unworkable
21	Cloudy - Rainy	Workable
22	Fair	-do-
23	Fair	-do-
24	Cloudy - Rainy	-do-
25	Rainy	Unworkable

GOLDROCK CONSTRUCTION & DEVELOPMENT CORP.
 Sibobo-Tinambac Road Section
 Bo. Bagacay, Tinambac, Cam. Sur

LIST OF EQUIPMENT
 (As of September 25, 1981)

<u>QTY.</u>	<u>TYPE</u>	<u>MODEL</u>
4	Dump Truck	Isuzu
1	Dump Truck	Reo
1	Bulldozer	Komatsu D-80A-8
1	Bulldozer	Caterpillar D-7F
1	Payloader	TCM
1	Payloader	Komatsu
1	Payloader	Allis-Chalmer
1	Grader	Galion
1	Grader	Hober D-1300
1	Tandem Roller	Hober
1	Air Compressor	
1	Service Pick-up	Toyota Hi-Lux
2	Sagger Concrete Mixer	
1	Concrete Vibrator	
1	Welding Machine	Daiden
1	Bar Cutter	
1	Tanker	Reo
1	Rock Crusher	
1	Sheepsfoot Roller	

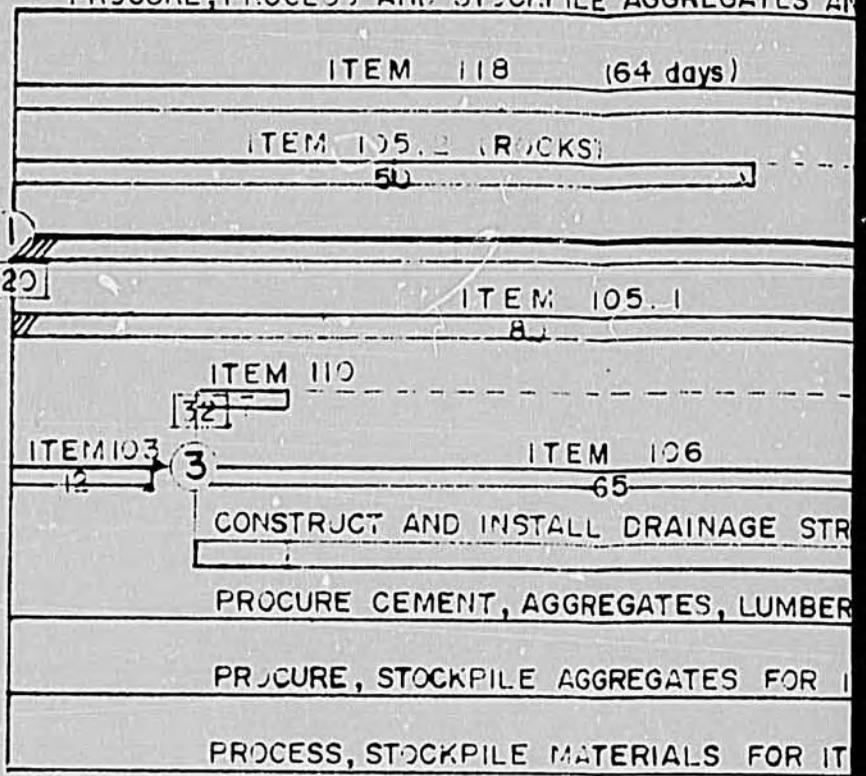
Percentage of Equipment available
 at project site - - - - - 69.70

Submitted by:

(SGD.) ANTONIO MORALES
 Project Engineer

(0-9) 1

PROCURE, PROCESS AND STOCKPILE AGGREGATES AND



11.0M.
10M.
9M.
8M.
7M.
6M.
5M.
4M.
3M.
2M.
1M.

S - CURVE

SLIP = 8.30%

30 60 90 120 150 180 210 240 270 300 330 360

2

AGGREGATES AND ASPHALT FOR ITEM 314

(64 days)

ITEM 105.3

230

05.1

5 ITEM III

97

106

4

ITEM 107

85

DRAINAGE STRUCTURES (ITEM 405, 406, 413.2, 413.3 & 413.4)

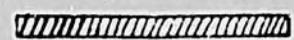
100

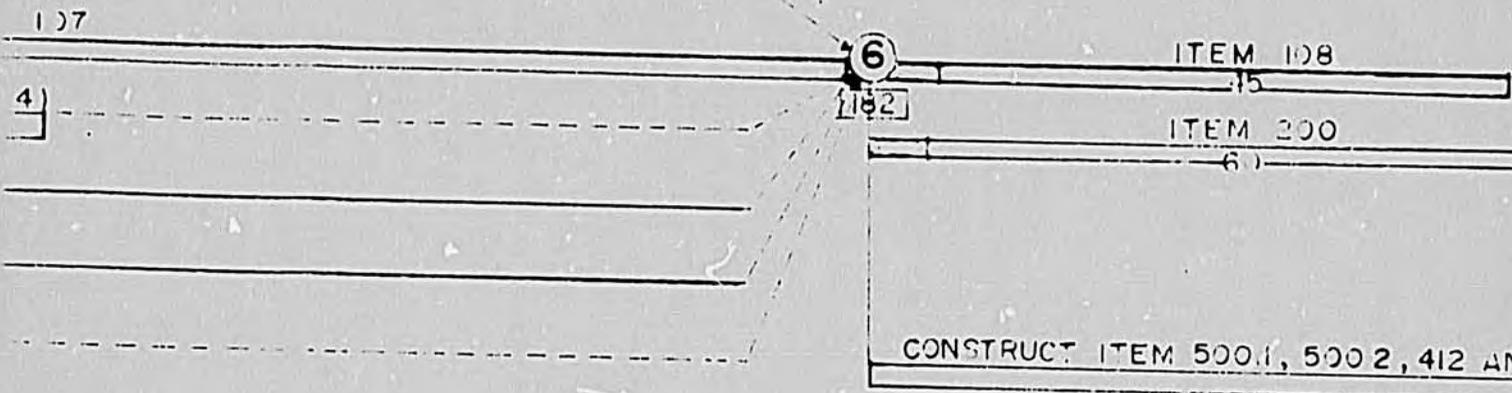
AGGREGATES, LUMBER, R.C PIPE FOR DRAINAGE STRUCTURES

AGGREGATES FOR ITEM 200 AND VARIOUS TESTS

MATERIALS FOR ITEM 108 AND VARIOUS

LEGEND:



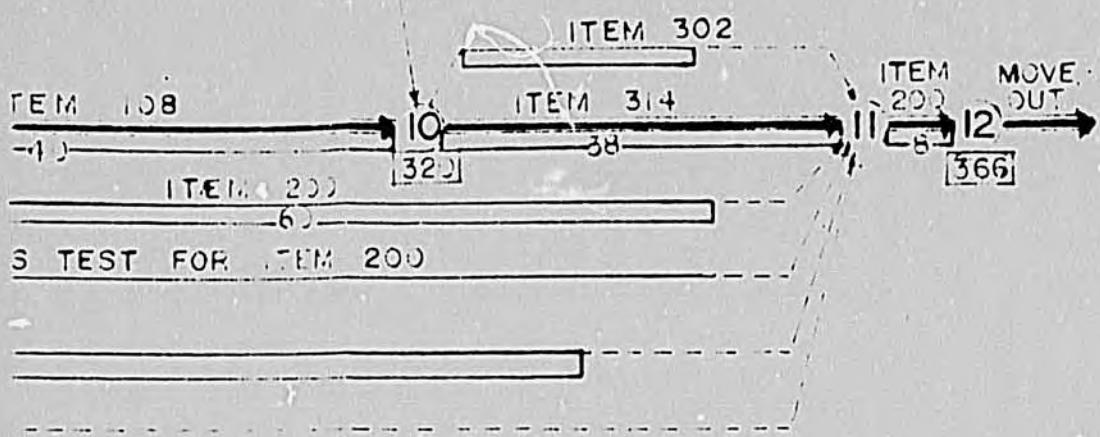


EQUIPMENT REQUIREMENTS
LIST OF EQUIPMENT

-  ACTIVITY
-  FLOW
-  DUMMY
-  CRITICAL PATH
-  ACTUAL ACCOMPLISHED

1. BULLDOZER
2. ROCKCRUSHER
3. WHEEL LOADER
4. DUMPTRUCK
5. AIR COMPRESSOR
6. SHEEPSFOOT ROLLER
7. MOTOR GRADER
8. PNEUMATIC ROLLER
9. WATER TRUCK
10. ROAD ROLLER
11. STAKE TRUCK
12. ASPHALT DISTRIBUTION
13. CHIP SPREADER
14. CONCRETE MIXER
15. CONCRETE VIBRATOR
16. BAR CUTTER

5



REPUBLIC OF THE PHILIPPINES
 MINISTRY OF PUBLIC HIGHWAYS
 BICUL SECONDARY AND FEEDER ROADS PROJECTS
 BRBDP Road Component

TIME SCALE PERT/CPM NETWORK
 CONSTRUCTION OF SIBOBO-TINAMBAC SECTION
 (COMPLETION)

SUB-PROJECT 3, PACKAGE 2
 STA. 11 + 483 ----- STA. 23 + 650

CONTRACTOR GOLDROCK CONST. & DEV. CORP.

SUBMITTED BY

(SIGNED) MANUEL TANGHAL

PROJECT MANAGER

RECOMMENDED BY

PROJ. MGR.

APPROVED

WENCESLAO S. DE MAN

PROJECT MANAGER

(SIGNED) JESUS S. H. POLITO

MINISTER

D-1c

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of September 25, 1981)

Sibobo-Finambac Section

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	Quantity/Volume	Value
1.60.1	FORCE ACCOUNT WORK (MAINTENANCE OF UNCOMPLETED ROAD SECTIONS)	28 km. mo.	5,393.10	151,006.80	7.14	2 km. mo.	10,786.20
1.60.3	PROVIDE ONE (1) UNIT UTILITY VEHICLE FOR ENGINEER	1	Lump Sum	40,000.00	100.00	1 L.S.	40,000.00
105-1	ROADWAY AND DRAINAGE EXCAVATION (WASTE)	20,038 Cu.m.	30.00	601,140.00	27.45	4,500 Cu.m.	135,000.00
105(2)	ROADWAY AND DRAINAGE EXCAVATION (SOLID ROCK)	2,000 Cu.m.	114.24	228,480.00	49.00	980 Cu.m.	111,955.20
105(3)	ROADWAY AND DRAINAGE EXCAVATION	44,933 Cu.m.	38.11	1,712,396.63	10.01	5,500 Cu.m.	209,605.00
107	BORROW	10,458 Cu.m.	52.80	552,182.40	26.77	2,800 Cu.m.	147,840.00
108	AGGREGATE SUBBASE	33,200 Cu.m.	78.20	2,596,240.00	7.53	2,500 Cu.m.	195,500.00
200	GRAVEL BASE COURSE	12,600 Cu.m.	105.60	1,330,560.00	6.35	800 Cu.m.	84,480.00
406	REINFORCING STEEL (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)	8,518 kg.	7.02	59,796.36	3.52	300 kg.	2,160.00
413-2	0.60 M. DIA. R.C.P.	256 L.M.	355.00	90,880.00	7.81	20 L.M.	7,100.00
413-3	0.90 M. DIA. R.C.P.	132 L.M.	570.45	75,299.40	10.61	14 L.M.	7,986.30
413-4	1.20 M. DIA. R.C.P.	161 L.M.	1,075.90	173,219.90	5.59	9 L.M.	9,683.10
				TOTAL			962,095.80
Percent Slippage		(-) 8.80					

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS
M a n i l a

MONTHLY CONSTRUCTION REPORT

For

Sub-Project 2

DANAOPASACAO ROAD.
Secondary Road

ITOLAN-BAHAY COCO FR. NO. 201
PASACAO-CARANAN-MACAD FR. NO. 202
PASACAO PORT ROAD FR. NO. 203

No. 29

As of September 25, 1981

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 29
September, 1981

PROJECT : Danao - Pasacao Road
CONTRACTOR : Marosa Enterprises

I. GENERAL

The original contract under CIT Construction and Equipment Corporation has been terminated as per MPH Memorandum dated March 2, 1981. The accomplishment as of termination is about 58.14 %.

The remaining work of about 41.86 % for the completion of the project (including Item 316) was bid in Manila by the Ministry of Public Highways last May 7, 1981 and the winning Contractor is Marosa Enterprises at a total cost of P10,531,802.71. The "Notice to Proceed" was issued to the Contractor last August 17, 1981, thereby making the effectivity of the contract on September 2, 1981. During the period, the Contractor was able to mobilize some of his equipment, prepare his campsite area and undertake survey work on the existing road.

II. WEATHER

The weather condition for this period was generally fair as shown in the attached weather Report.

III. MOBILIZATION

The equipment which the Contractor initially mobilized are shown in the List of Equipment, attached. The equipment available on the project site is about 42.33 % of the requirement.

IV. PROGRESS OF WORK

A. General

ITEM 1.60.1 : FORCE ACCOUNT WORK (MAINTENANCE OF PREVIOUSLY CONSTRUCTED ROAD, SECONDARY ROAD)

The Contractor has maintained some sections of Secondary Road damaged by previous typhoons and heavy rains. Obstructions on side ditches has been removed to allow the smooth flow of flood water.

ITEM 1.60.2 : PROVIDE AND MAINTAIN OFFICE AND LABORATORY FOR ENGINEER

The Contractor has rented a building for Office and Laboratory for Engineer located at the beginning of the project (Secondary Road) and the Contractor's field office is to be annexed to this building. Also, the Contractor rented the original office used by GJT Const. and Equipment Corp. at Odicon, Pasacao for his proposed batching and crushing plants, motor pool and bodega.

B. Roads and Drainage Structures

Construction Survey:

1. Checking of horizontal alignment
2. Relocation of P.I.
3. Staking of centerline and intermediate stations
4. Cross-sectioning (revetment) station

Earthworks:

ITEM 113 : PREPARATION OF PREVIOUSLY CONSTRUCTED ROAD

The Contractor has started reshaping of previously constructed road along Secondary and Feeder Road 202.

ITEM 500: GROUTED RIPRAP (REVELTMENT)

The contractor has started hauling boulders for the construction of grouted riprap (revetment)

V. MATERIALS TESTING AND QUALITY CONTROL

The contractor has prepared the space for the laboratory and all laboratory equipment are already mobilized.

VI. ACCOMPLISHMENT OF MAJOR ITEMS (Accumulated to-date)

Secondary Road:

I. ROAD:

Subgrade:

ITEM 105: ROADWAY AND DRAINAGE EXCAVATION

2.90 km. of 3.00 km.	-	completed
0.10 km. of 3.00 km.	-	partial

ITEM 107: BORROW

6.40 km. of 6.47 km.	-	completed
0.07 km. of 6.47 km.	-	partial

Subbase:

ITEM 108: AGGREGATE SUBBASE

8.50 km. of 8.814 km.	-	completed
0.314 km. of 8.814 km.	-	partial

Base:

ITEM 1.60.1: FORCE ACCOUNT WORK (Maintenance of previously Constructed Road)

1.00 km of 8.814 km.	-	partial
----------------------	---	---------

2. BRIDGE: (Odicon Bridge)

Substructure	-	completed
Superstructure	-	completed except sidewalk of all wingwalls

3. DRAINAGE STRUCTURES (Cross Drainage)

Item No.	Description	Bid Quantity	Accomplishment		Remarks
			Quantity	Percent(%)	
413-2	0.60 M. Dia. RCP	192 l.m.	192 l.m.	100%	Completed
413-3	0.90 M. Dia. RCP	199 l.m.	183 l.m.	91.96%	Completed
413-4	1.20 M. Dia. RCP	159 l.m.	159 l.m.	100%	Completed

Feeder Roads:

FEEDER ROAD 201 (Itolan-Bahay-Coco)

L. ROADS:

ITEM 105: ROADWAY AND DRAINAGE EXCAVATION

2.20 km. of 2.20 km. - completed

ITEM 107: BORROW

2.323 km. of 2.323 km. completed

Surfacing:

ITEM 108: AGGREGATE SUBBASE

4.523 km. of 4.523 km. completed

2. BRIDGE: None

3. DRAINAGE STRUCTURES:

Item No.	Description	Bid Quantity	Accomplishment		Remarks
			Quantity	Percent (%)	
413-2	0.60 M. DIA. RCP	44 L.M.	44 L.M.	100%	completed
413-3	0.90 M. DIA. RCP	75 L.M.	75 L.M.	100%	completed
413-4	1.20 M. DIA. RCP	48 L.M.	48 L.M.	100%	completed

FEEDER ROAD 202 (Pasacao-Caranan-Macad Road)

1. ROADS :

ITEM 105 : ROADWAY AND DRAINAGE EXCAVATION

4.10 km. of 4.10 km. - completed

ITEM 107 : BORROW

4.50 km. of 4.50 km. - completed

Surfacing:

ITEM 108: AGGREGATE SUBBASE

5.60 km. of 8.60 km. - completed

3.00 km. of 8.60 km. - partial

ITEM 118: PREPARATION OF PREVIOUSLY CONSTRUCTED ROAD

1.00 km. of 8.60 km. - partial

2. BRIDGES: (Timber Trestle Bridges #1, #2, #3, & #4) - spans completed

3. DRAINAGE STRUCTURES :

Item No.	Description	Bid Quantity	Accomplishment		Remarks
			Quantity	Percent (%)	
413-2	0.60 M. DIA. RCP	220 L.M.	220 L.M.	100%	completed
413-3	0.90 M. DIA. RCP	90 L.M.	90 L.M.	100%	completed
413-4	1.20 M. DIA. RCP	73 L.M.	73 L.M.	100%	completed

FEEDER ROAD 203 (Pasacao Port Road)

1. ROADS:

Item 105 : ROADWAY AND DRAINAGE EXCAVATION

0.80 Km. of 0.80 Km. - completed

Item 107 : BORROW

0.996 Km. of 0.996 Km. - completed

Surfacing :

Item 108 : AGGREGATE SUBBASE

1.796 Km. of 1.796 Km. - completed

2. DRAINAGE STRUCTURES:

<u>Item No.</u>	<u>Description</u>	<u>Bid of Quantity :</u>	<u>Accomplishment Quantity :</u>	<u>Percent (%)</u>	<u>Remarks</u>
413-3	0.90 M. DIA RCP	81 L.M.	81 L.M.	100%	completed

VII. COMMENTS AND RECOMMENDATIONS

The Contractor had been advised to bring in other needed equipment especially rock crusher to start the production of aggregate and to procure immediately construction materials needed on the project in order to catch up with his program of work.

MAROSA ENTERPRISES
Danao-Pasacao Road
(Sub-project No. 2)

ANNEX "E-3"

LIST OF EQUIPMENTS
(As of September 25, 1981)

QUANTITY	TYPE	MODEL	REMARKS
one (1) unit	One-bagger Concrete Mixer		Idle
one (1) unit	Concrete Vibrator	Briggs & Stratton	Idle
one (1) unit	Grader	Komatsu	Mech. breakdown
four (4) units	Dump truck	Isuzu	Idle
two (2) units	Road Roller	Galloon; Sakai	Idle
one (1) unit	Payloader	Sakai	Idle

Percentage of equipment availability is 47.62%

Submitted by:

(SGD.) RUBEN PA ANG
Project Manager

PROJECT: DANA-O-PASACAO ROAD
(Sub-project No. 2)

WEATHER REPORT

DATE-1981	WEATHER CONDITION	REMARKS	TIME EXTENSION RECOMMENDED
August 26	Fair	Workable	None
27	Fair	-do-	-do-
28	Fair	-do-	-do-
29	Fair	-do-	-do-
30	Fair	-do-	-do-
31	Fair	-do-	-do-
September 1	Fair	-do-	-do-
2	Fair	-do-	-do-
3	Fair	-do-	-do-
4	Fair	-do-	-do-
5	Fair	-do-	-do-
6	Fair	-do-	-do-
7	Fair to sunny	-do-	-do-
8	Fair to sunny	-do-	-do-
9	Fair to sunny	-do-	-do-
10	Sunny	-do-	-do-
11	Sunny	-do-	-do-
12	Sunny	-do-	-do-
13	Sunny	-do-	-do-
14	Sunny	-do-	-do-
15	Fair	-do-	-do-
16	Fair	-do-	-do-
17	Sunny	-do-	-do-
18	Fair w/ intermittent rainshower	-do-	-do-
19	Cloudy w/ occasional rainshower	-do-	-do-
20	Fair w/ occasional rainshower	-do-	-do-
21	Fair	-do-	-do-
22	Fair	-do-	-do-
23	Fair	-do-	-do-
24	Fair	-do-	-do-
25	Fair	-do-	-do-

TIME EXTENSION RECOMMENDED PREVIOUSLY - NONE
 TIME EXTENSION RECOMMENDED THIS MONTH - NONE
 GRAND TOTAL TO-DATE - NONE

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of September 25, 1981)

DAPAQ-PASALAO ROAD (Completion) Package 1, Sub-project 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST (Peso)	AMOUNT (Peso)	COMPUTED ACCOMPLISHMENT		
					Percentage based on bid quantities	Quantity/Volume	Value
<u>GENERAL</u>							
1.60.1A	FORCE ACCOUNT WORK (MAINTENANCE OF UNPAVED SECTION, SECONDARY ROAD)	20 km. no.	4,840.00	96,800.00	5.00	1	4,840.00
1.50.2	PROVIDE A D DETAILED OFFICE AND LABORATORY FOR ENGINEER	Lump Sum		42,000.00			
<u>ROADS, BRIDGES AND DRAINAGE STRUCTURES</u> (Secondary & Feeder Roads)							
106	EXCAVATION FOR STRUCTURES	554 cu.m.	45.14	25,561.56			
107	BORROW (Revetment)	5,554 cu.m.	46.20	257,056.80			
108	AGGREGATE SUBBASE	8,532 cu.m.	77.20	657,934.40			
118	PREPARATION OF PREVIOUSLY CONSTRUCTED ROAD	9.255 km.	8,734.75	80,927.55	10.79	1	8,734.76
315	PORTLAND CEMENT CONCRETE PAVEMENT (0.20 m.) 8" thick	56,280 sq. m.	162.00	9,117,360.00			
405-1	CONCRETE CLASS "A" (wingwalls)	5 cu.m.	901.28	4,506.40			
405	CONCRETE CLASS "A" (headwalls and Misc. Structures)	25 cu.m.	901.28	22,532.00			
500-1	RIPRAP AND MOUNTED RIPRAP (Revetment)	650 cu.m.	256.44	217,124.00			
TOTAL				10,531,802.71			13,534.76

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS
M a n i l a

MONTHLY CONSTRUCTION REPORT

For

Sub-project 3
Contract Package No. 4

TIGMAN AND HIMURAGAT BRIDGES

No. 06

As of September 25, 1981

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 6

September 1981

PROJECT: TIGMAN AND HIMURAGAT RIVER BRIDGES
(Sub-Project 3, Contract Package No. 1)

CONTRACTOR: A.B. AGUINALDO CONSTRUCTION CORPORATION

I. GENERAL:

This sixth monthly report on the progress of construction for the month of September 1981. The activities of the Contractor was mainly concentrated on Tigman Bridge where one (1) span of deck slab had been completed. The construction of formwork and installation of reinforcing steel of the remaining span is in progress. Meanwhile, the houses affected by the road right-of-way at the second approach of the said bridge is now being demolished.

II. WEATHER:

The weather for this month was generally cloudy and fair with occasional heavy rains as shown in the attached Weather Report, Annex "F-A".

III. MOBILIZATION:

Annex "F-B" of this report shows the equipment available at the project site during the month.

IV. PROGRESS OF WORK:

A. TIGMAN RE-ALIGNMENT AND BRIDGE (Sta. 14 + 003 to Sta. 14 + 365)

Item 405 - CONCRETE CLASS "A"

During the month the Contractor has completed the formwork, rebars and concreting of deck slab at the second span, with a total volume of about 36 cu.m..

The construction of formwork of the first span is in progress

Item 405-a (2) - PRE-STRESSED CONCRETE STANDARD AASHTO
I-BEAM TYPE 22.00 M.

Fabrication of augular bars for the fixed and expansion joints of each girder is in progress.

Item 406 - REINFORCING STEEL

Reinforcing steel bars which were previously cut and bent to desired measurement/dimension were incorporated into the members of the structure mentioned under Item 405.

B. HIMURAGAT RE-ALIGNMENT AND BRIDGE (Sta. 23 + 650 to Sta. 24 + 048.55)

Item 405 - CONCRETE CLASS "A"

The contractor has completed the formwork and concreting of coping for Abutment "A" with a total volume of 15.37 cu.m..

Item 405-a (1) - PRE-STRESSED CONCRETE ASSHTO I-BEAM
TYPE IV 23.00 M.

The sub-contractor for the fabrication of concrete I-Beam has completed casting and post-tensioning of twelve (12) units at their compound in Tiwi, Albay.

Item 406 - REINFORCING STEEL

Reinforcing steel bars which were prevfously cut and bent were incorporated into the members of structure mentioned under Item 405.

V. MATERIALS TESTING AND QUALITY CONTROL:

Three (3) sets of concrete cylinder samples were taken to represent about 52 cu.m. of concrete for the diaphragms and deck slab of Tigman Bridge and the coping of Abutment "A", Himuragat Bridge.

The concrete cylinder sample for the coping of Abutment "A", Himuragat Bridge was tested at Project Management Office with satisfactory results.

VI. PHYSICAL ACCOMPLISHMENT: (Accumulated as of this report period)

A. TIGMAN RE-ALIGNMENT AND BRIDGE

Sub-Structure - - - - - Completed

Superstructure - - - - - Concreting of one (1) span was completed. Construction of form-works and rebars for the remaining span is in progress.

P.C.C. Pavement - - - - - None

Incidental Construction - - - Grouted riprap partially completed

B. HIMURAGAT RE-ALIGNMENT AND BRIDGE

Sub-Structure - - - - - Completed

Superstructure - - - - - Casting of twelve (12) units of pre-stressed T-Beam were completed

P.C.C. Pavement - - - - - None

Incidental Construction - - - None

VII. COMMENTS AND RECOMMENDATIONS:

With the completion of Hubo and Witiwit Bridges including the backfilling of its approaches by Goldrock Development and Construction Corporation, the contractor was advised to deliver the completed twelve (12) units of concrete I-Beam intended for Himuragat Bridge, in order to complete the project at the earliest possible time.

PROJECT: TIGMAN AND HIMURAGAT RIVER BRIDGES
 (Sub-Project 3, Contract Package No. 1)

WEATHER REPORT

<u>Date - 1981</u>	<u>Weather Condition</u>	<u>Remarks</u>
August 26	Fair	Workable
27	Fair	-do-
28	Fair	-do-
29	Fair	-do-
30	Fair	-do-
31	Fair	-do-
September 1	Fair	-do-
2	Fair	-do-
3	Fair	-do-
4	Fair	-do-
5	A.M.: Fair; P.M.: Rainy	-do-
6	Fair	-do-
7	Fair	-do-
8	Fair	-do-
9	Fair	-do-
10	Rainy	-do-
11	Rainy	-do-
12	Rainy	-do-
13	Rainy	-do-
14	Rainy	-do-
15	Cloudy - Rainy	-do-
16	Cloudy - Rainy	-do-
17	Cloudy - Rainy	-do-
18	Cloudy - Rainy	-do-
19	Rainy typhoon "Rubing"	-do-
20	Rainy	-do-
21	Cloudy - Rainy	-do-
22	Fair	-do-
23	Fair	-do-
24	Fair - Rainy	-do-
25	Rainy	-do-

A.B. AGUINALDO CONSTRUCTION CORPORATION
 Tigman-Himuragat River Bridges
 Tinambac, Camarines Sur

LIST OF EQUIPMENT
 (As of Sept. 25, 1981)

<u>QTY.</u>	<u>TYPE</u>	<u>MODEL</u>
2	Bulldozer	Komatsu D80A, Cat. D7E
1	Truck Mounted Crane	Lorain, Northwest
1	Payloader	Komatsu
1	Service Vehicle	Toyota Tamaraw
1	Roller	Kato
1	Dump Truck	Isuzu
2	Concrete Vibrator	Briggs Stratton
2	Concrete Mixer	Kobuta 16 HP
1	Water Pump	Kholer 16 HP
1	Welding Machine	
2	Bar Cutter	
1	Pile Hammer	Kobe, K-25
1	Crane Crawler	
1	Oxy Acetylene	

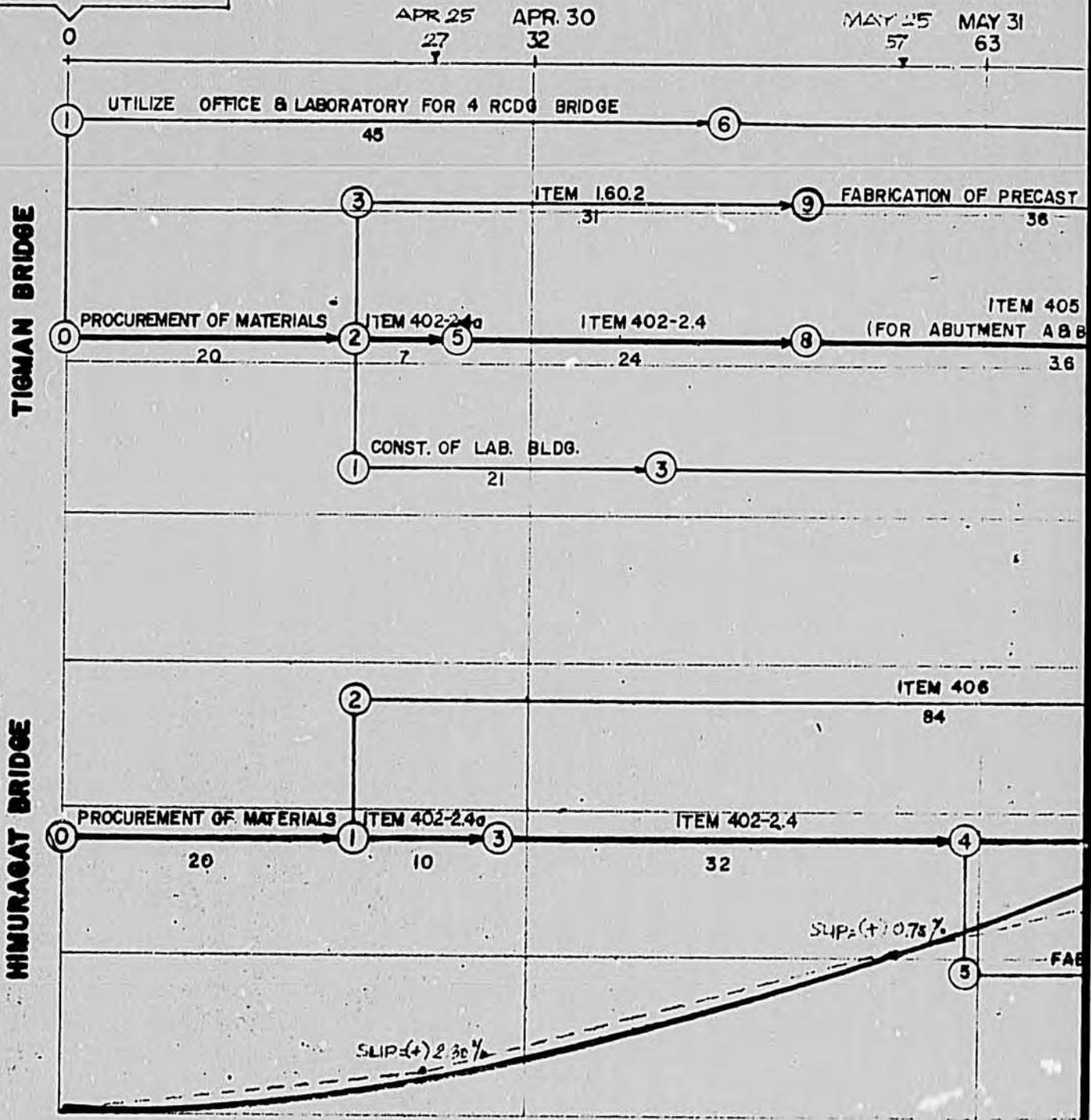
Submitted by:

(SGD.) DEOGRACIAS BORJA
 Project Superintendent

ITEM NO.	ESTIMATED %WEIGHT			QUANTITY	UNIT COST	AMOUNT
	SCHEDULED	ACCOMPLISHED				
		ITEM	PROJECT			
GENERAL						
1.60.1	0.4174	03.33	0.2472	6 Mo.	4,800.00	28,800.00
1.60.2	0.5073		0.5073	L.S.	lump sum	35,000.00
SUB TOTAL	0.9247		0.7551			63,800.00
TIGMAN BRIDGE						
100	0.0351	50.00	0.0176	0.20Ha	12,100.00	2420.00
105	4.0645	22.30	0.9064	6725 cu.m.	41.70	280,432.50
107	0.3634	74.95	0.2712	538 cu.m.	46.60	25,070.80
108	0.8348	-	-	680 cu.m	84.70	57,596.00
316	4.6090	-	-	2000 sqm.	159.00	318,000.00
402-2.4a	0.4209	100.00	0.4209	2 Ea	14,520.00	29,040.00
402-2.4	2.8828	39.15	2.7582	234 L.M.	850.00	198,900.00
403	0.6938	54.09	0.3777	88 L.M.	544.00	47,872.00
405	3.5566	61.54	2.1887	169 cu.m	1452.00	245,388.00
405-A(2)	13.3319	100.00	13.3319	8 Ea	144,980.00	919,840.00
406	4.5047	80.64	3.6324	21,435 kg	14.50	310,807.50
500	0.4525	75.58	0.3420	86 cu.m.	363.00	31,218.00
510	0.0092	-	-	8 Ea	80.00	640.00
SUB TOTAL	35.7592		24.1260			2,467,224.80
HIMURAGAT BRIDGE						
100	0.0298	50.00	0.0149	0.20Ha	10,285.00	2057.00
105	0.0867	50.00	0.0434	150 cu.m.	39.90	5,985.00
107	10.6680	10.15	1.0827	14,780 cu.m.	49.80	736,044.00
108	0.7979	-	-	650 cu.m.	84.70	55,055.00
316	7.0222	-	-	2,850 sqm	170.00	484,500.00
402-2.4a	0.4209	100.00	0.4209	2 Ea	14,520.00	29,040.00
402-2.4	4.8786	39.40	4.8537	396 L.M.	850.00	336,600.00
403	1.1481	36.23	0.4159	138 L.M.	574.00	79,212.00
405	8.0929	48.79	3.5616	338 cu.m.	1652.00	558,376.00
405-A(1)	20.9944	33.23	6.9774	12 Ea	120,710.00	1,448,520.00
406	8.3884	68.58	5.7528	37,100 kg.	15.80	578,760.00
500	0.7786	-	-	148 cu.m	363.00	53,724.00
510	0.0096	-	-	8 Ea	83.00	664.00
SUB TOTAL	63.3161		25.1251			4,368,537.00
GRAND TOTAL	100.00		48.19			6,898,561.80

MONTHLY ACCOMPLISHMENT
CUMULATIVE TOTAL

OFFICIAL STARTING DATE
MARCH 30, 1981



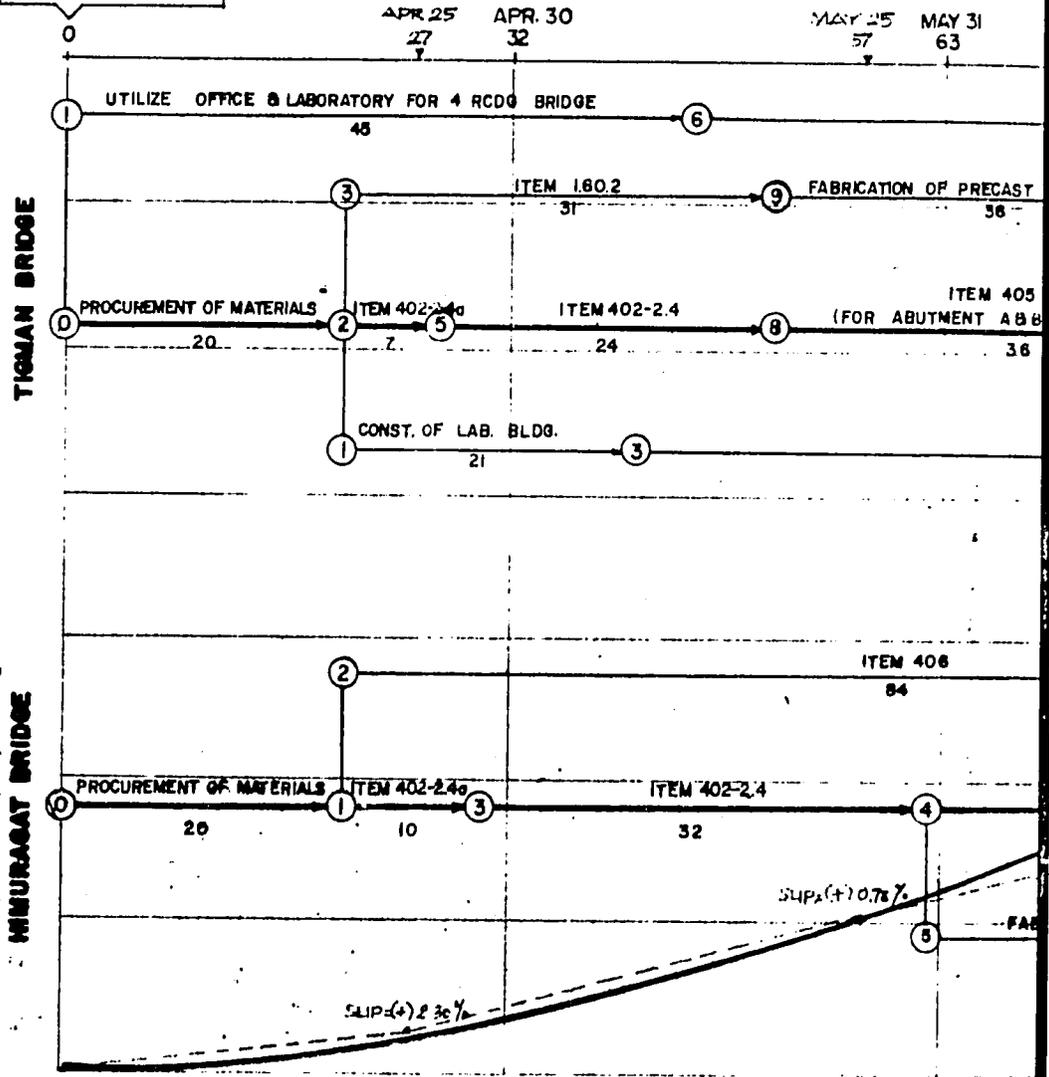
ISHMENT	216,783.35	1,085,196.69
		1,271,980.04

SUBMITTED BY:
[Signature]
PROJECT ENGINEER, ABACC

2 B

PERT / CPM

OFFICIAL STARTING DATE
MARCH 30, 1981



ISHMENT	216,783.35	1,085,196.69
L		1,271,980.04

SUBMITTED BY:

[Signature]
PROJECT ENGINEER, ABACC

From

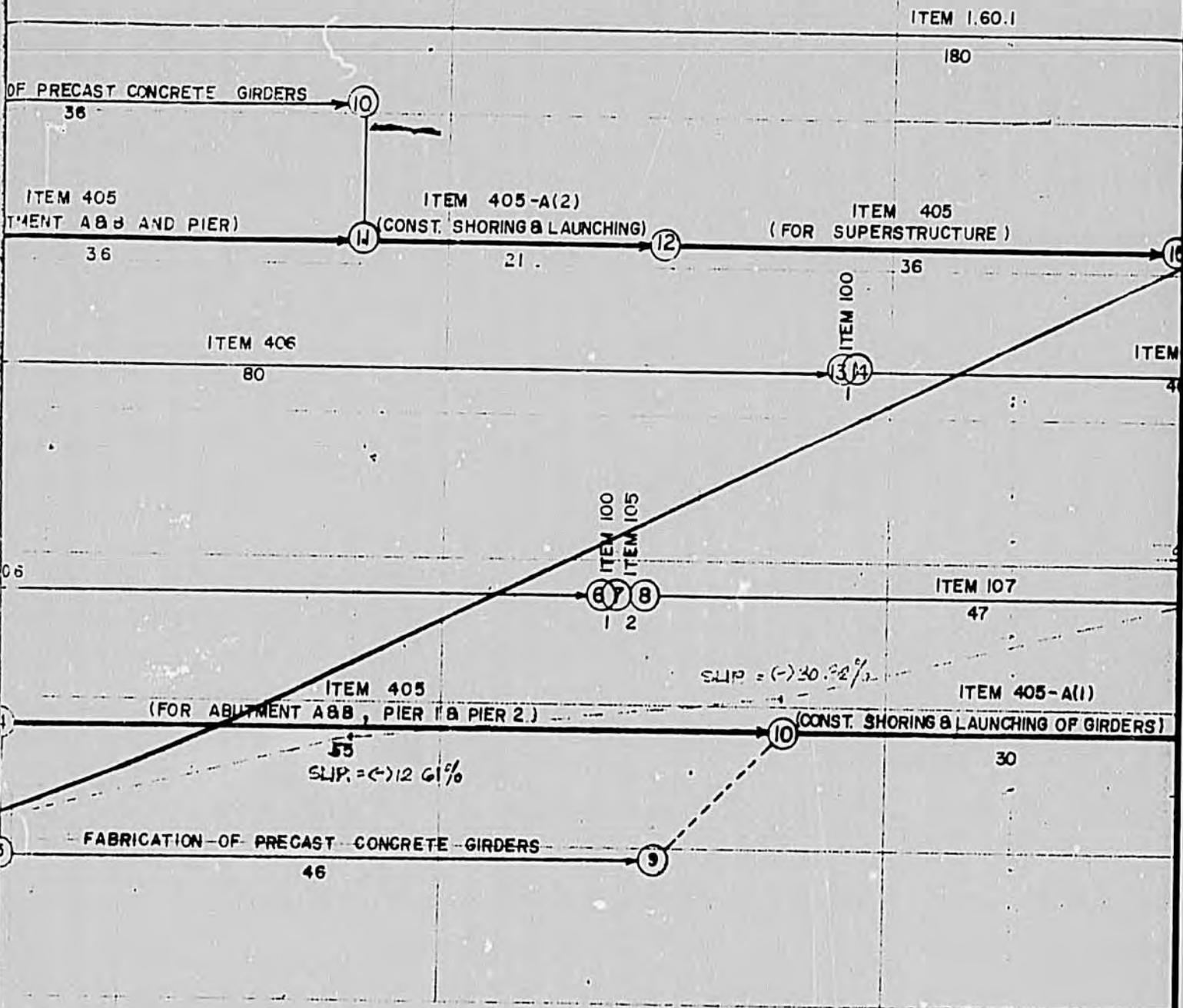
III NETWORK DIAGRAM FOR TIGMIA

3A

MAY 31
63

JUN 15
93

JUL 25
124



1,620,863.58
2,892,843.62

1,320,230.57
4,213,074.19

1,261,488.35
5,474,562.54

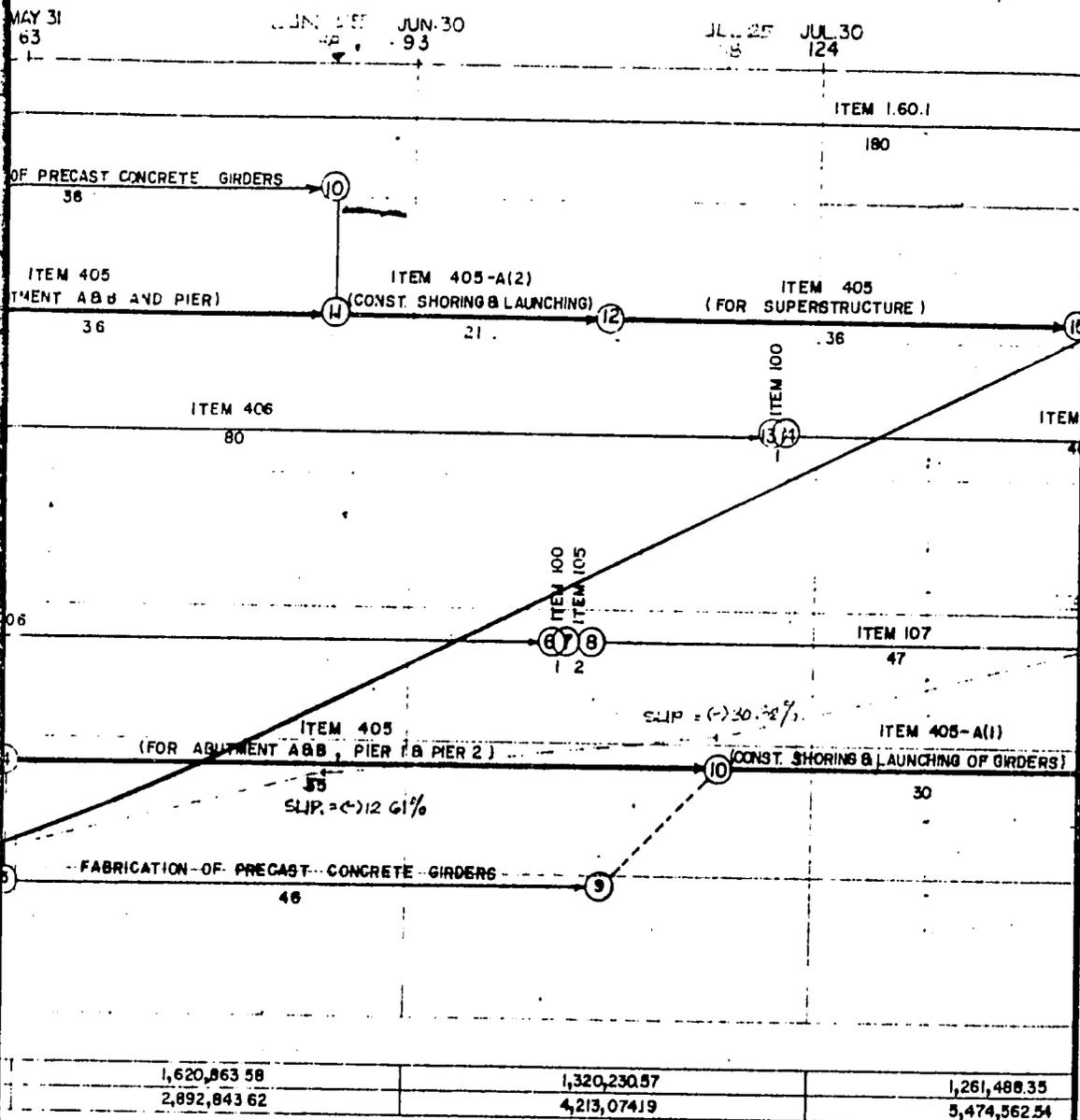
RECOMMENDING APPROVAL:

OSCAR G. CARAGAY
PROJECT MANAGER, TGC

5

38

PM NETWORK DIAGRAM FOR TIGM



RECOMMENDING APPROVAL:

Oscar G. Caragay
 OSCAR G. CARAGAY
 PROJECT MANAGER, TGM

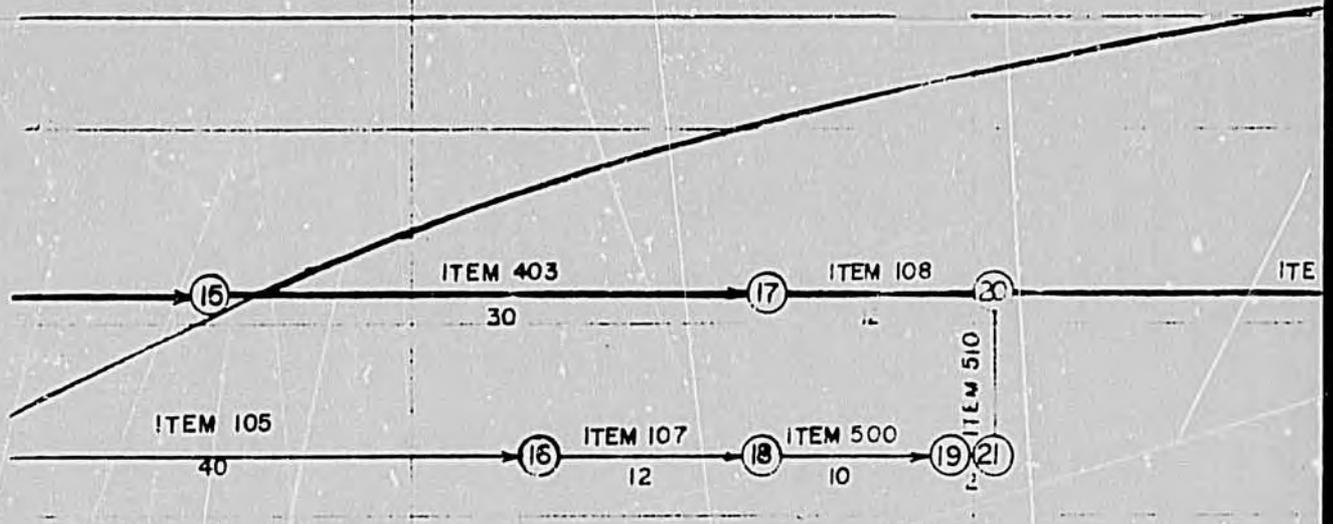
IGMANN & HILMUTRAGAL BRIDGES

4A

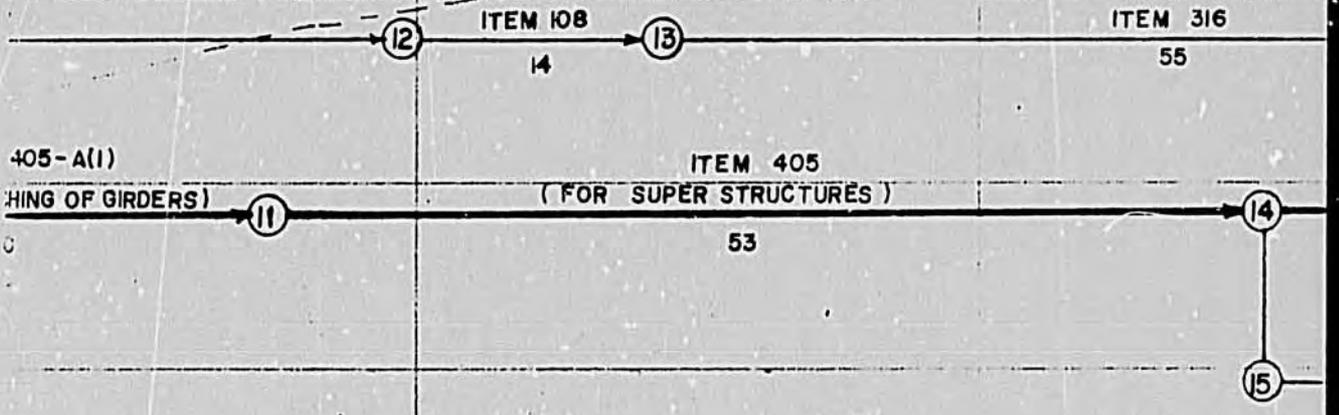
AUG 25 149 AUG 31 155

SEP 25 50

SEPT 185



SLIP = (-) 54.0% of 100 SWK = (-) 27.7% of 100



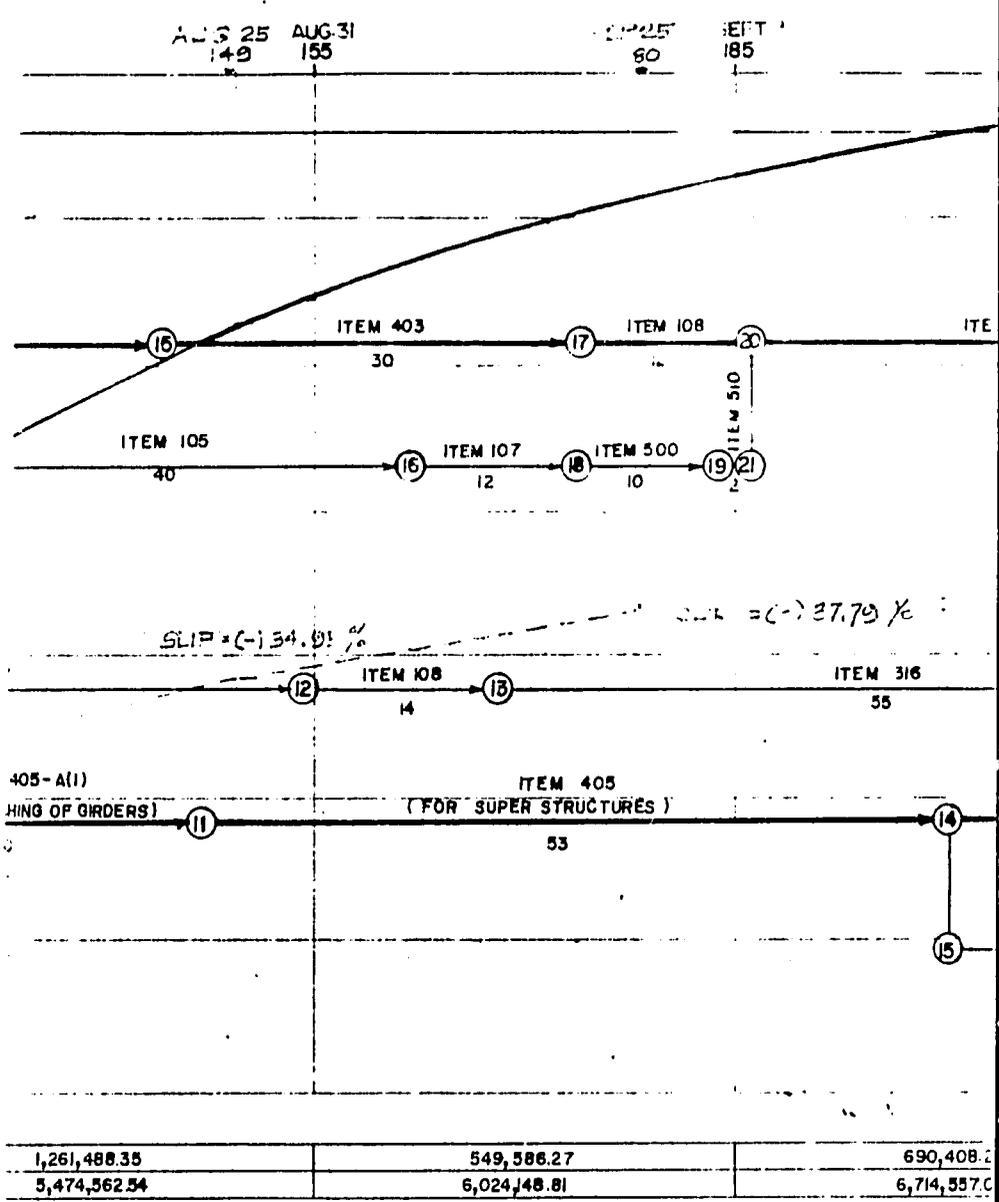
1,261,488.35	549,586.27	690,408.2
5,474,562.54	6,024,448.81	6,714,557.0

AGAY
TGD

APPROVED
A
PRO

4 B

TIGMAN & HIMURAGAT BRIDGES



AGAY
TGC

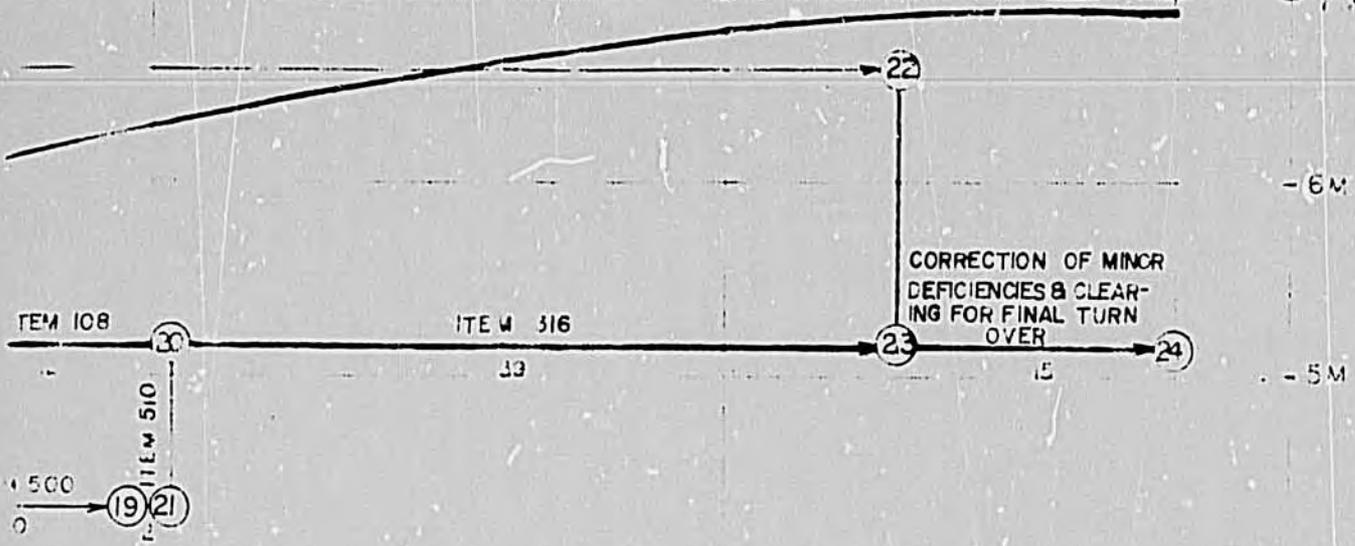
APPROVED
A
PRO

PROJECTED COMPLETION DATE
NOVEMBER 24, 1981

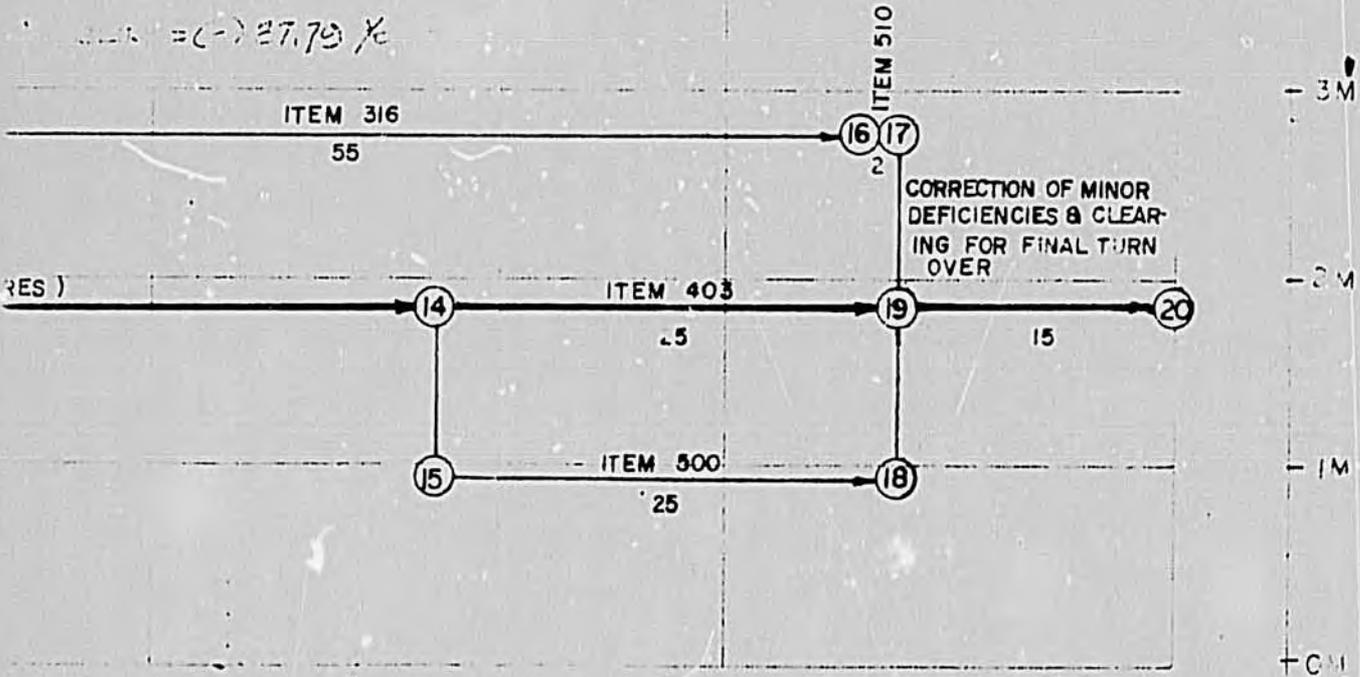
SEPT 185

OCT 31 216

240



RES = (-) 27.79 %



690,408.25	185,004.74
6,714,557.06	6,899,561.80

APPROVED BY

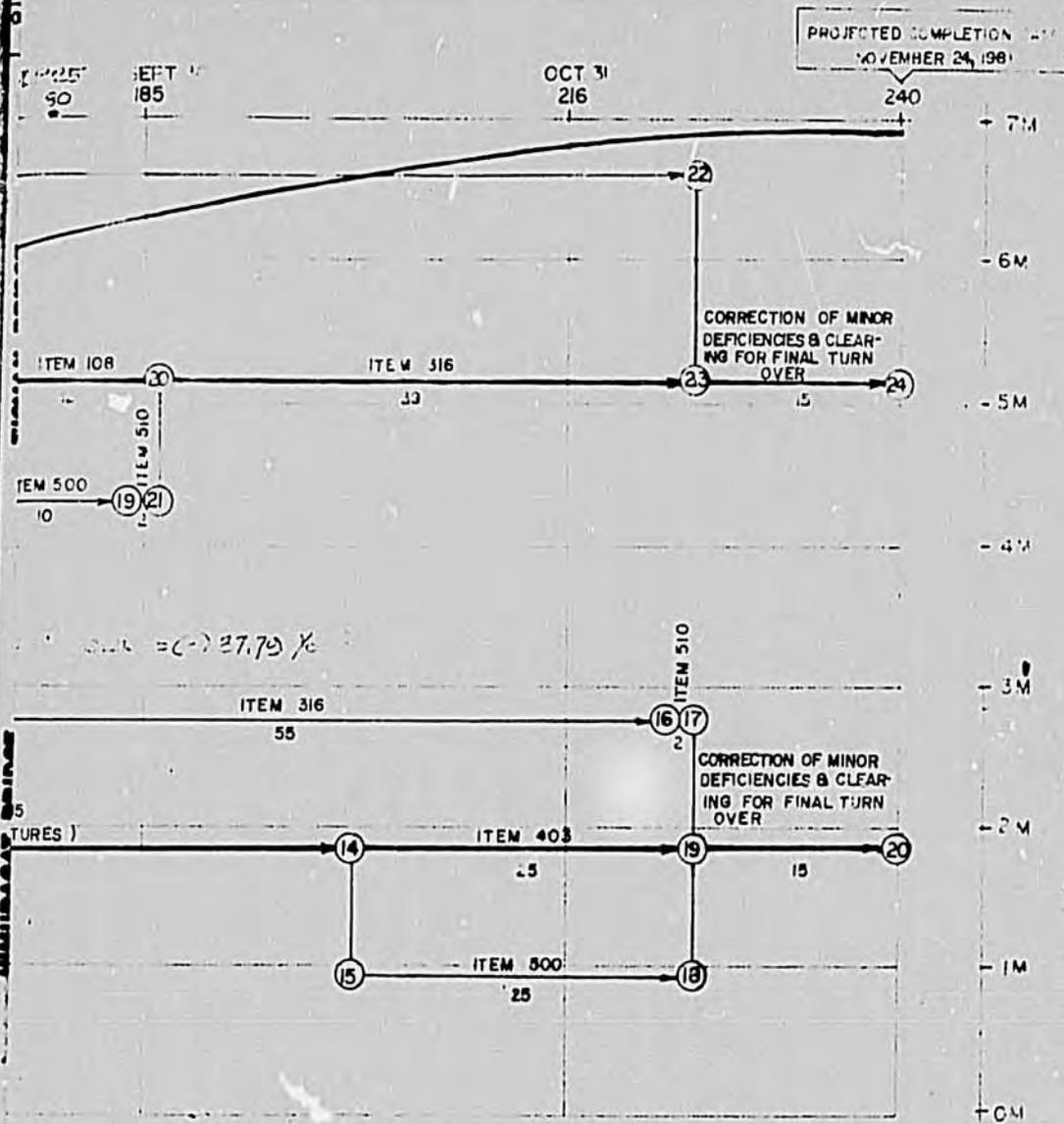
ANGEL E. SALVADOR
PROJECT MANAGER, PMO

AT BRIDGES

58

LEGEND:

SCHEDULED ACCOMPLISHMENT ———
 ACTUAL ACCOMPLISHMENT - - - - -



23.75%

APPROVED BY
 ANGEL E. SALVADOR
 PROJECT MANAGER, PMO

F-8

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of Sept. 25, 1981)

Tigman and Himuragat River Bridges

Sheet 1 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	Quantity/Volume	Value
<u>GENERAL</u>							
60.1	MAINTAIN OFFICE AND LABORATORY FOR ENGINEER	6 MOS.	4,800.00	28,800.00	83.33	5 MOS.	24,000.00
1.60.2	FORCE ACCOUNT WORK (IMPROVEMENT OF PERCENT EXISTING BRIDGES)	1 L.S.		35,000.00	100.00	100.00%	35,000.00
			Sub-Total - -	₱ 63,800.00	- - - - -	- - - - -	₱ 59,000.00
<u>TIGMAN RE-ALIGNMENT AND BRIDGE</u>							
100	CLEARING AND GRUBBING	0.20 HA.	12,100.00	2,420.00	50.00	0.10	1,210.00
105	ROADWAY AND DRAINAGE EXCAVATION	6,725 CU.M.	41.70	280,432.50	22.30	1,500	62,550.00
107	BORROW	538 CU.M.	46.60	25,070.30	71.35	400 CU.M.	18,640.00
108	AGGREGATE SUBBASE	680 CU.M.	84.70	57,596.00	-	-	-
116	PORTLAND CEMENT CONCRETE PAVEMENT 0.20 M. THICK	2,000 SQ.M.	159.00	318,000.00	-	-	-
102-2.4a	STEEL H-TEST PILE	2 EA.	14,520.00	29,040.00	100.00	2 EA.	29,040.00
102-2.4	STEEL H-PILE	234 L.M.	850.00	198,900.00	99.15	232 L.M.	197,200.00
103	CONCRETE RATTLINGS	88 L.M.	544.00	47,872.00	34.09	30 L.M.	16,320.00
105	CONCRETE CLASS "A"	169 CU.M.	1,452.00	245,388.00	61.54	104 CU.M.	151,008.00
105-a(2)	PRE-STRESSED CONCRETE STANDARD AASHTO I-BEAM TYPE IV 22.00	8 EA.	114,980.00	919,840.00	180.00	8 EA.	919,840.00
106	REINFORCING STEEL	21,435 KGS.	14.50	310,807.50	80.64	17,286 KGS.	250,647.00
100	GROUPED RIPRAP	86 CU.M.	363.00	31,218.00	75.58	65 CU.M.	23,595.00
110	RIGHT-OF-WAY MARKERS	8 EA.	80.00	640.00	-	-	-
			Sub-Total - -	₱ 2,467,224.80	- - - - -	- - - - -	1,670,050.00

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of Sept. 25, 1981)

Tigman and Himuragat River Bridges

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	Quantity/Volume	Value
	<u>HIMURAGAT RE-ALIGNMENT AND BRIDGE</u>						
100	CLEARING AND GRUBBING	0.20 HA.	10,285.00	2,057.00	50.00	0.10 HA.	1,028.50
105	ROADWAY AND DRAINAGE EXCAVATION	150 CU.M.	39.90	5,985.00	50.00	75 CU.M.	2,992.50
107	BORROW	14,780 CU.M.	49.80	736,044.00	10.15	1,500 CU.M.	74,700.00
108	AGGREGATE SUBBASE	650 CU.M.	84.70	55,055.00	-	-	-
316	PORTLAND CEMENT CONCRETE PAVEMENT 0.20 M. THICK	2,850 SQ.M.	170.00	484,500.00	-	-	-
402-2.4a	STEEL H-TEST PILE	2 EA.	14,520.00	29,040.00	100.00	2 EA.	29,040.00
402-2.4	STEEL H-PILE	396 L.M.	850.00	336,600.00	99.49	394 L.M.	334,900.00
403	CONCRETE RAILINGS	138 L.M.	574.00	79,212.00	36.23	50 L.M.	28,700.00
405	CONCRETE CLASS "A"	338 CU.M.	1,652.00	558,376.00	43.72	148 CU.M.	248,596.00
405-a(1)	PRE-STRESSED CONCRETE STANDARD AASHTO I-BEAM TV-23.00 M.	12 EA.	120,710.00	1,448,520.00	33.33	4 EA.	482,840.00
406	REINFORCING STEEL	37,100 KGS.	15.60	578,760.00	66.50	24,628 KGS.	386,002.00
500	GROUTED RIPRAP	148 CU.M.	363.00	53,724.00	-	-	-
510	RIGHT-OF-WAY MARKERS	8 EA.	83.00	664.00	-	-	-
			Sub-Total - -	₱4,368,537.00	- - - - -	- - - - -	1,595,639.00
			GRAND TOTAL - - - - -	₱ 6,899,561.80	- - - - -	- - - - -	3,324,682.00
			Percent Slippage - - - - -	(-) 37.79			

A P P E N D I C E S

APPENDIX A - MANPOWER SCHEDULE, CONSULTANT'S STAFF FOR
CONSTRUCTION-SUPERVISION

- * Keystaff and Administrative Staff
- * Sub-Project 1, Segment "B"
Libmanan Bridge-Cabusao Section
- * Sub-Project 3, Contract Package No. 1
Calabanga-Manguiring Bridge Section
- * Sub-Project 3, Contract Package No. 4
Tigman and Himuragat Bridges
- * Sub-Project 3, Contract Package No. 2
Manguiring Bridge - Tinambac Section
- * Sub-Project 2
Danao-Pasacao Road

APPENDIX B - EMPLOYMENT GENERATION SURVEY (SS3)

- * Techniks Group Corporation
(Consultant, Package I)

APPENDIX B - CERTIFICATION

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SUPERVISION

SUB-PROJECT 3, CONTRACT PACKAGE NO. 2

SIBOBO — TINAMBAC SECTION

NAME	POSITION	1979												1980												1981												1982											
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FRANCISCO ANICOLA	RESIDENT ENGR. (ACTG.)	[Hatched]																																															
JEROME HERNANDEZ	MATERIALS ENGINEER	[Hatched]																																															
DANILO COSINAS	ENGR. INSPECTOR (HWY.)	[Hatched]																																															
THERESE BELARMINO	FIELD UTILITY ENGR.	[Hatched]																																															
STIMSON BATALLA	SURVEYMAN/DRAFTSMAN	[Hatched]																																															
MIMVILUZ DAZAL	CLERK/TYPIST	[Hatched]																																															
ELIZALDE ACULA	C.E. AIDE/TECHNICIAN	[Hatched]																																															
MAXIMO BALAGAT	SURVEY AIDE (LABORER)	[Hatched]																																															

SUBPROJECT 3, CONTRACT PACKAGE NO. 3 — BRIDGES, CALABANGA—TINAMBAC ROAD, INCL. TIGMAN & HIMURAGAT BRIDGES

NAME	POSITION	1979												1980												1981												1982											
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CRISELDA SEVERO	RESIDENT ENGINEER	[Hatched]																																															
	MATERIALS ENGINEER	[Hatched]																																															
	ENGR. INSPECTOR (BR.)	[Hatched]																																															
	FIELD UTILITY ENGR.	[Hatched]																																															
MARIANO CULANG	SURVEYMAN/DRAFTSMAN	[Hatched]																																															
ERNANI CASTILLO	C.E. AIDE/TECHNICIAN	[Hatched]																																															
ELENA S. TAN	CLERK/TYPIST	[Hatched]																																															
DORCTEO GERONA	SURVEY AIDE (LABORER)	[Hatched]																																															

SUBPROJECT 2, — DANA-O—PASACAO ROAD

NAME	POSITION	1979												1980												1981												1982											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANGEL RIVERA	RESIDENT ENGR. (ACTG.)	[Hatched]																																															
BENITO PASKATIMAN	MATERIALS ENGINEER	[Hatched]																																															
SERGIO SALVADOR TEREZ	ENGR. INSPECTOR (HWY.)	[Hatched]																																															
	ENGR. INSPECTOR (BR.)	[Hatched]																																															
NAPOLEON TORZIO	FIELD UTILITY ENGR.	[Hatched]																																															
SASPA GERONA	SURVEYMAN/DRAFTSMAN	[Hatched]																																															
LIGATO MENDOZA	C.E. AIDE/TECHNICIAN	[Hatched]																																															
EVELYN VILERA	CLERK/TYPIST	[Hatched]																																															
ROMMEL ALVARO	SURVEY AIDE (LABORER)	[Hatched]																																															

Bicol River Basin Development Program
 San Jose, Pili, Cam. Sur

*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR TECHNIKS GROUP CORPORATION (Consultant-Package I

FOR THE MONTH OF SEPTEMBER, 1981

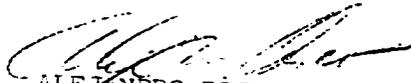
	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED <u>1/</u>	1	8	-	-
LOCAL - HIRED <u>2/</u>	5	20	-	5
SUB-CONTRACTORS <u>3/</u>	-	-	-	-
TOTAL	6	28	-	5

1/ Includes permanent employee

2/ Employees residing within the Basin Area

3/ Local-hired Only

Submitted by:


 ALEJANDRO DESEO
 Project Manager

Bicol River Basin Development Program
 San Jose, Pili, Cam. Sur

*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR R.L. UMALI CONSTRUCTION CORPORATION
 FOR THE MONTH OF SEPTEMBER, 1981

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - HIRED <u>1/</u>	1	2	1	-
LOCAL - HIRED <u>2/</u>	1	-	5	-
SUB-CONTRACTORS <u>3/</u>	-	-	-	-
TOTAL	2	2	6	-

- 1/ Includes permanent employees
- 2/ Employees residing within the Basin Area
- 3/ Local Hired Only

Submitted by:

(SGD.) HIRAMABIFF C. GARCIA
 Project Manager

BICOL RIVER BASIN DEVELOPMENT PROGRAM
 San Jose, Pili, Camarines Sur

*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR: PRAGMATIC DEVELOPMENT CONSTRUCTION & DEVELOPMENT CORPORATION
 FOR THE MONTH OF: SEPTEMBER 1981

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASE <u>1/</u>	2	2	16	4
LOCAL - BASE <u>2/</u>	1	1	12	11
SUB-CONTRACTOR <u>3/</u>	-	-	-	-
TOTAL	3	3	18	15

- 1/ Includes Permanent Employee
- 2/ Employees residing within the Basin Area
- 3/ Local Hired Only

Submitted by:

(SGD.) JOSE RECENTES
 Project Manager

Bicol River Basin Development Program
 San Jose, Pili, Cam. Sur

*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR GOLDROCK CONSTRUCTION & DEVELOPMENT CORPORATION

FOR THE MONTH OF SEPTEMBER, 1981

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED <u>1/</u>	1	3	15	-
LOCAL - HIRED <u>2/</u>	5	4	22	16
SUB-CONTRACTORS <u>3/</u>	-	-	-	-
TOTAL	6	7	37	16

- 1/ Includes permanent employees
- 2/ Employees residing within the Basin Area
- 3/ Local Hired Only

Submitted by:

(SGD.) ANTONIO MORALES JR.
 Project Engineer

NICOL RIVER BASIN DEVELOPMENT PROGRAM
San Jose, Pili, Cam. Sur

*EMPLOYMENT GENERATION SURVEY (SS 3)

NAME OF CONTRACTOR: MAROSA ENTERPRISES
FOR THE MONTH OF : September, 1981

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
IR-BA-BASED <u>1/</u>	0	0	0	0
LOCAL-HIRED <u>2/</u>	0	4	4	15
SUB-CONTRACTORS <u>3/</u>	0	0	0	0
TOTAL	0	4	4	15

- 1/ Includes permanent employees
- 2/ Employees residing within the Basin Area
- 3/ Local-hired only

Concurred by:

ANGEL P. REVERA
Actg. Resident Engineer

Submitted by:

RO-EO PURPORA
Asst. Project Engineer

Bicol River Basin Development Program
 San Jose, Pili Cam. Sur

*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR A.B. AGUINALDO CONSTRUCTION CORPORATION

FOR THE MONTH OF SEPTEMBER, 1981

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED <u>1/</u>	6	4	-	-
LOCAL - HIRED <u>2/</u>	2	-	27	15
SUB-CONTRACTORS <u>3/</u>	-	-	-	-
TOTAL	8	4	27	15

1/ includes permanent employees

2/ Employees residing within the Basin Area

3/ Local Hired Only

Submitted by:

(SGD.) DEOGRACIAS C. BORJA
 Project Superintendent

APPENDIX "C"

September 30, 1981

C E R T I F I C A T I O N

This is to certify that this Monthly Construction Progress Report submitted to the Ministry of Public Works and Highways in compliance with paragraph 3.02, Article III of the contract for Engineering Services are the actual accomplishment of the respective contractors and other information included thereat are true and correct.


ALEJANDRO DESEO
Project Manager