

ISN=989

PD-AAJ-485

492-0281/53

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC HIGHWAYS
MANILA

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

CAMARINES SUR

PACKAGE 1



MONTHLY
CONSTRUCTION REPORT

SEPTEMBER, 1980



TECHNIKS GROUP CORP.
CONSULTING ENGINEERS.
PHILIPPINES

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC HIGHWAYS
MANILA

BEST AVAILABLE DOCUMENT

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

PACKAGE I

**MONTHLY
CONSTRUCTION REPORT**

LIBMANAN BRIDGE-CABUSAO SECTION --REPORT	NO. <u>25</u>
(SUB-PROJECT 1, SEGMENT "B")	
CALABANGA-MANGUIRING BRIDGE SECTION --REPORT	NO. <u>22</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.1)	
BRIDGES, CALABANGA-TINAMBAC ROAD --REPORT	NO. <u>20</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.3)	
MANGUIRING BRIDGE-TINAMBAC SECTION --REPORT	NO. <u>19</u>
(SUB-PROJECT 3, CONTRACT PACKAGE NO.2)	
DANAO-PASACAO ROAD - - - - -REPORT	NO. <u>17</u>
(SUB-PROJECT 2)	



TECHNIKS GROUP CORP.
CONSULTING ENGINEERS
PHILIPPINES

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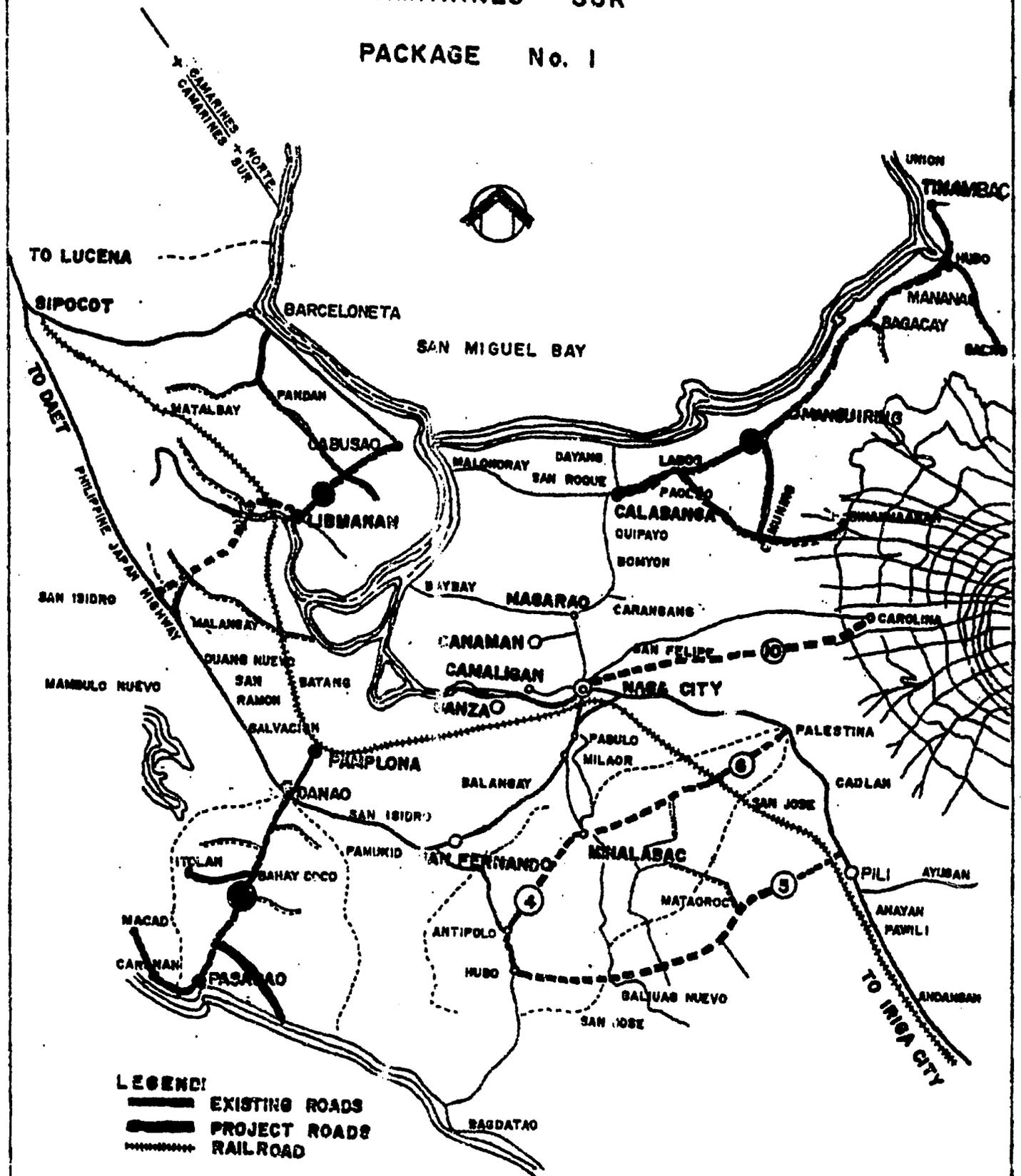
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BICOL RIVER BASIN DEVELOPMENT PROJECT SECONDARY AND FEEDER ROADS CAMARINES SUR

PACKAGE No. 1



LOCATION PLAN

SUMMARY OF PROJECT STATUS

AS OF SEPTEMBER 25, 1980

SUMMARY OF PROJECT STATUS
As of September 25, 1980

NAME OF PROJECT: Libmanan Bridge-Cabusao Section

DATE OF BIDDING: December 9, 1977

DATE STARTED: September 18, 1978

LEVEL OF IMPROVEMENT:

SECONDARY ROAD: Portland Cement Concrete Pavement (0.20M.) 8" thick

FEEDER ROADS:

FEEDER ROAD 103 - - - - - 4.245 Kms.

FEEDER ROAD 104 - - - - - 5.025 Kms.

TOTAL CONTRACT COST - - - - - ₱ 12,144,402.60

TOTAL AMOUNT OF ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - ₱ 7,607,972.87

PERCENT (%) ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - - - - 62.64%

TITLE	PERCENT (%) ACCOMPLISHMENT SECTION	PERCENT (%) PROJECT		
		THIS PERIOD	ACCUMULATED TO-DATE	TOTAL
A. GENERAL	83.35	-	3.22	3.86
B. SECONDARY ROAD	51.40	-	37.40	72.77
C. FEEDER ROADS:				
Feeder Road 103	95.55	-	8.92	9.34
Feeder Road 104	93.36	-	13.10	14.03
T O T A L		-	62.64	100.00

TOTAL CONTRACT TIME - - - - - 458 days

TOTAL TIME EXTENSION DUE TO FOL SHORTAGE - - - - - 123 days

TOTAL TIME EXTENSION RECOMMENDED DUE TO BAD
WEATHER AS OF SEPTEMBER 25, 1980 - - - - - 118 days

PERCENT (%) CONTRACT TIME ELAPSED - - - - - 75.43%

PERCENT SLIPPAGE - - - - - 9.57% (-)

NAME OF PROJECT: Calabanga-Manguiring Bridge Section

DATE OF BIDDING: April 26, 1978

DATE STARTED: February 5, 1979

LEVEL OF IMPROVEMENT:

SECONDARY ROAD: Bituminous Surface Treatment

FEEDER ROADS: Gravel Surfacing (Aggregate Subbase)

NET LENGTH:

SECONDARY ROAD - - - - - 9.904 Kms.

FEEDER ROADS:

Feeder Road 301 - - - - - 12.900 Kms.

Feeder Road 302 - - - - - 5.283 Kms.

TOTAL CONTRACT COST - - - - - ₱ 8,788,666.90

TOTAL AMOUNT ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - - - ₱ 5,034,311.18

PERCENT (%) ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - - - - 57.28

TITLE	PERCENT (%) ACCOMPLISHMENT SECTION	PERCENT (%) PROJECT		
		THIS PERIOD	ACCUMULATED TO-DATE	TOTAL
A. GENERAL	75.41	0.03	1.74	2.27
B. SECONDARY ROAD	43.85	1.77	23.16	48.77
C. FEEDER ROADS				
Feeder Road 301	65.13	0.24	26.68	40.60
Feeder Road 302	65.57	0.22	5.70	8.39
T O T A L		2.26	57.28	100.00

TOTAL CONTRACT TIME - - - - - 549 days

TOTAL TIME EXTENSION RECOMMENDED DUE TO BAD
WEATHER AS OF SEPTEMBER 25, 1980 - - - - - 89 days

TOTAL TIME EXTENSION DUE TO FUEL SHORTAGE - - - - - 111 days

PERCENT (%) CONTRACT TIME ELAPSED - - - - - 79.97 %

PERCENT SLIPPAGE - - - - - 29.43 (-)

NAME OF PROJECT: Seven (7) Bridges, Calabanga-Tinambac Road
 DATE OF BIDDING: July 25, 1978
 DATE STARTED: February 15, 1979
 LEVEL OF IMPROVEMENT: RCDC on RC Piles with 2 - 0.46 M. Side Walk
 NET LENGTH: 151.20 Meters
 TOTAL CONTRACT COST: P2,145,095.20 (Standing)
 TOTAL CONTRACT COST INCLUDING OVERRUN:(Projected) - - - - - P2,254,546.20
 TOTAL AMOUNT OF ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 .. - - - P1,458,526.40
 (Including overrun)
 PERCENT (%) ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - - - 64.69%

TITLE	PERCENT (%) ACCOMPLISHMENT, SECTION	PERCENT (%) PROJECT		
		THIS PERIOD	ACCUMULATED TO-DATE	TOTAL
A. GENERAL	81.63	0	1.87	2.17
B. MANGUIRING BRIDGE	98.23	0	20.53	19.88
C. CUT-12 BRIDGE	94.89	0	16.52	16.56
D. TUMULUS BRIDGE	24.23	0	2.45	9.62
E. TIGUIB BRIDGE	35.22	0	3.47	9.39
F. KAWAYAN BRIDGE *	84.97	0	19.85	23.36
G. HUBO BRIDGE	0	0	0	9.30
H. WITWIT BRIDGE	0	0	0	9.72
T O T A L			64.69	100.00

TOTAL CONTRACT TIME - - - - - 549 Days
 TOTAL TIME EXTENSION RECOMMENDED DUE TO
 BAD WEATHER AS OF SEPTEMBER 25, 1980 - - - - - 167 Days
 PERCENT (%) CONTRACT TIME ELAPSED - - - - - 77.37 %
 PERCENT (%) SLIPPAGE - - - - - 15.27 (-)

- NOTE:
- Contract Terminated by A. L. SARMIENTO CONSTRUCTION.
 - Suspension due to bad weather was taken from the weather report of Manguiring-Tinambac Section for the month of August and September.

*Construction of superstructure only by MPH Regional Construction Team.

NAME OF PROJECT: Manguring Bridge-Tinambac Section

DATE OF BIDDING: July 25, 1978

DATE STARTED: March 12, 1979

LEVEL OF IMPROVEMENT:

SECONDARY ROAD - - Portland Cement Concrete Pavement (0.20 M.) 8" Thick

FEEDER ROAD - - - Gravel Surfacing (Aggregate Subbase)

NET LENGTH:

SECONDARY ROAD - - - - - 10.923 kms.

FEEDER ROAD 303 - - - - - 6.900 kms.

TOTAL CONTRACT COST - - - - - P 15,965,239.90

TOTAL AMOUNT OF ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - P 4,364,212.32

PERCENT (%) ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 - - - 27.34

TITLE	PERCENT (%) ACCOMPLISHMENT SECTION	PERCENT (%) PROJECT		
		THIS PERIOD	ACCUMULATED TO - DATE	TOTAL
A. GENERAL	28.64	0.061	0.2173	0.61
B. SECONDARY ROAD	29.11	0.445	24.8279	88.32
C. FEEDER ROAD 303	20.53	0.466	2.2905	11.07
TOTAL		0.972	27.34	100.00

TOTAL CONTRACT TIME - - - - - 549 days

TIME EXTENSION DUE TO FUEL & OIL SHORTAGE (March 12-August 25, 1979)

AND NEGOTIATIONS FOR ROAD RIGHT-OF-WAY (March 23-June 18, 1979) - -138 days

TOTAL TIME EXTENSION DUE TO

BAD WEATHER AS OF SEPTEMBER 25, 1980 - - - - - 130 days

PERCENT (%) CONTRACT TIME EXTENSION - - - - - 69.03

PERCENT (%) SLIPPAGE - - - - - 41.92 (-)

NAME OF PROJECT: Danao-Pasacao Road

DATE OF BIDDING: April 26, 1978

DATE STARTED : May 18, 1979

LEVEL OF IMPROVEMENT:

SECONDARY ROAD: Portland Cement Concrete Pavement (0.20 M.) 8" Thick

FEEDER ROAD : Gravel Surfacing (Aggregate Subbase)

NET LENGTH:

SECONDARY ROAD 8.883 kms.

FEEDER ROADS:

Feeder Road 201 4.523 kms.

Feeder Road 202 8.687 kms.

Feeder Road 203 1.851 kms.

TOTAL LENGTH 23.944 kms.

TOTAL CONTRACT COST P 11,635,128.50

TOTAL AMOUNT OF ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 . 5,958,617.30

PERCENT (%) ACCOMPLISHMENT AS OF SEPTEMBER 25, 1980 . . . 51.21 %

TITLE	PERCENT (%) ACCOMPLISHMENT	PERCENT (%) PROJECT		TOTAL
		THIS PERIOD	ACCUMULATED TO DATE	
A. GENERAL	62.12	0.02	0.99	1.59
B. SECONDARY ROAD	35.03	0.44	22.94	67.23
C. FEEDER ROADS				
Feeder Road 201	83.72	0	7.31	8.72
Feeder Road 202	81.91	0.66	16.87	19.69
Feeder Road 203	94.08	0	3.10	2.67
TOTAL		1.12	51.21	100.00

ORIGINAL CONTRACT TIME 518 DAYS

TOTAL TIME EXTENSION RECOMMENDED DUE TO BAD

WEATHER AS OF SEPTEMBER 25, 1980 38 DAYS

TOTAL TIME EXTENSION DUE TO C.O. #1 21 DAYS

TOTAL TIME EXTENSION DUE TO FUEL AND MATERIALS SHORTAGE 102 DAYS

ADJUSTED CONTRACT TIME 679 DAYS

PERCENT CONTRACT TIME ELAPSED 69.07 %

PERCENT (%) SLIPPAGE 18.28 % (-)

Republic of the Philippines
MINISTRY OF PUBLIC HIGHWAYS

MONTHLY CONSTRUCTION REPORT

For

Sub-project 1
Segment "B"

LIEMANAN BRIDGE-CABUSAO SECTION
Secondary Road

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

NO. 25

AS OF SEPTEMBER 25, 1980

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 25
September 1980

PROJECT: LIBMANAN BRIDGE-CABUSAO SECTION

CONTRACTOR: R. L. UMALI CONSTRUCTION CORPORATION

1. GENERAL:

This report covers the construction activities of the contractor for the month of September, 1980.

For this period, the contractor's activity was purely maintenance of sections which were rendered unpassable due to heavy rains. The additional earthwork operation of the contractor which was scheduled for this month was not accomplished.

2. WEATHER:

Six (6) days suspension was granted to the contractor due to unworkable condition caused by heavy rains. Generally the weather condition in the locality was fair.

3. MOBILIZATION:

A minimum number of equipment remained in the jobsite. Except for the road grader which broken down after two weeks of maintenance operation, all equipment are in good operating condition.

For manpower requirement, the same minimum number remained in the jobsite as shown in Annex "A".

4. PROGRESS OF WORK:

As no major activity was accomplished by the contractor such as earthwork operation, the total work accomplished remains the same as in

previous report which is 62.64%. The time elapsed is 75.43% based on the updated bar schedule of work, incorporating the time extension due to bad weather and fuel crisis.

ADDITIONAL INFORMATION FOR OUR AUGUST 25 REPORT ON PROGRESS OF WORK AS REQUIRED BY THE PMO.

5. PHYSICAL ACCOMPLISHMENT:

A. SECONDARY ROAD:

1. ROADS

Subgrade - - - - -	9.384 Kms.
Subbase - - - - -	9.384 Kms.
Base - - - - -	8.958 Kms (Corrected)
Pavement or Surfacing - - - - -	3,783.94 Sq.m.

2. BRIDGES

Substructure - - - - -	22.20 L.M.
Super Structure - - - - -	22.20 L.M.

B. FEEDER ROADS:

1. FEEDER ROAD 103

a) Road:

Subgrade - - - - -	5.025 Kms.
Subbase - - - - -	4.775 Kms.
Base - - - - -	3.632 Kms.

b) Bridges: - - - - - None

2. FEEDER ROAD 104

a) Road

Subgrade - - - - - 5.025 Kms.
Subbase - - - - - 4.999 Kms.
Base - - - - - 3.632 Kms.

b) Bridge

Substructure - - - - - 24 L.M.
Superstructure - - - - - 24 L.M.

6. COMMENTS:

Last September 10, during the meeting at the MPH office in Manila attended by MPH officials, consultants and contractors, a definite decision of MPH Minister was made by rejecting the request for the deletion of Item 516 but approving price escalation based on the approved parametric formula for all on going projects which are on schedule. Guided by this decision, a revision of the approved Bar Schedule of Work of the contractor has been undertaken by incorporating the approved time extension due to unfavorable weather and fuel crisis, without altering the starting date of the various activities of the contract items. As a result of this extended contract time, the negative slippage of 27% last August 25 was reduced to negative 3.88%. As of September 25, the slippage is 9.57% negative.

7. RECOMMENDATIONS:

It is believed that the balance of Item 316 representing 53,590 sq.m. of road to be concreted and the minor repair on the road work deficiencies could still be completed within the contract time. To attain the objective of completing the project within the contract time, the contractor should give special attention to the following:

1. Immediate mobilization of equipment such as Batching Plant, Transit Mixers, Pay Loaders, Truck Haulers etc.
2. To procure construction materials at the earliest possible time.
3. Employ all needed manpower requirement.
4. Start immediately actual construction activities.

PROJECT: LIBMANAN-BRIDGE-CABUSAO SECTION
(Sub-Project 1, Segment B)

WEATHER REPORT

<u>Date - 1989</u>	<u>Weather Condition</u>	<u>Remarks</u>	<u>Time Extension Recommended</u>
August 26	Heavy rain	Unworkable	11 day SO#30
27	Heavy rain	Unworkable	1 day
28	Rainy	Unworkable	1 day
29	Fair	Workable	None RO#30
30	Fair	Workable	None
31	Heavy rain	Unworkable	1 day SO#31
September 1	Fair	Workable	None RO#31
2	Rainy	Unworkable	1 day SO#32
3	Fair	Workable	None RO#32
4	Fair	Workable	None
5	Rainy	Unworkable	1 day SO#33
6	Fair	Workable	None RO#33
7	Fair	-do-	None
8	Fair	-do-	-do-
9	Fair	-do-	-do-
10	Fair	-do-	-do-
11	Fair	-do-	-do-
12	Fair	-do-	-do-
13	Fair	-do-	-do-
14	Fair	-do-	-do-
15	Fair	-do-	-do-
16	Fair	-do-	-do-
17	Fair	-do-	-do-
18	Fair	-do-	-do-
19	Fair	-do-	-do-
20	Fair	-do-	-do-
21	Fair	-do-	-do-
22	Fair	-do-	-do-
23	Fair	-do-	-do-
24	Fair	-do-	-do-
25	Fair	-do-	-do-

TOTAL TIME EXTENSION RECOMMENDED THIS MONTH - - - - - 6 days
TOTAL TIME EXTENSION RECOMMENDED PREVIOUSLY - - - - - 112 days
GRAND TOTAL TO DATE - - - - - 118 days

R. L. UMALI CONSTRUCTION CORPORATION
Libmanan Bridge-Cabusao Road Section
Libmanan, Camarines Sur

LIST OF PERSONNEL
(As of Sept. 25, 1980)

<u>NAME</u>	<u>POSITION</u>	<u>QUALIFICATION</u>
1. Benjamin R. Caceres	Project Officer In-Charge	B.S.C.E.
2. Cesar R. Arias	Timekeeper/Warehouseman	1st year college
3. Leodamar Bagatua	Jr. Mechanic	Experienced
4. Crispulo dela Cruz	Grader Operator	-do-
5. Felix Castillo	Roller Operator	-do-
6. Marcelo Gonzales	Loader Operator	-do-
7. Simplicio Quindoza	Instrumentman	-do-
8. Jaime Laurito	Survey Aide	-do-
9. Gregorio Marto	Lab. Aide	-do-
10. Jesus Alvares	Survey / Lab. Aide	-do-
11. Alfonso dela Cruz	Camp Watchman	-do-
12. Ernesto Brioso	Quarry Watchman	-do-

Submitted By:

(SGD.) BENJAMIN R. CACERES
Project Officer In-Charge

R. L. UMALI CONSTRUCTION CORPORATION
 Libmanan Bridge-Cabusao Road Section
 Libmanan, Camarines Sur

LIST OF EQUIPMENT
 (As of September 25, 1980)

<u>NAME</u>	<u>IDENTIFICATION</u>	<u>TYPE</u>	<u>MODEL</u>	<u>ENGINE SERIAL</u>	<u>CHASIS</u>	<u>DATE OF ARRIVAL</u>
1. Dump Truck (Isuzu)	DT-105	6-Wheeler	DH-100	DH-100-443413	TD40E-1701208	1-5-78
2. Komatsu	RG-501	Motorized Road Grader	GD37-5H	4D120-11-751911	3240	1-5-78
3. Komatsu	PL-603	Kimco Hough Front Shovel Payloader	JH65-CN			3-15-78
4. Sakai	RR-802	3-Wheeler Road Roller	DA220	DA120	506561	1-10-78
5. Koehring Crane	TMC-301	Truck Mounted Crane				1- 5-78
6. Toyota Tamaraw	SV-14	Service Vehicle	KF101-KKGR	3K		8- 7-78
7. Ford Fiera	SV-15	Service Vehicle				10- 9-78

Submitted By:

) BENJAMIN R. CACERES
 Project Officer In-Charge

A - 7

ANNEX "A-B"

SECONDARY ROAD
FEEDER ROADS
FR # 102
FR # 104
NET LENGTH

9.335 KM
4.245 KM
5.025 KM
18.605 KM

DATE OF BIDDING: DEC 9,
STARTING DATE: SEPT 81

ITEM NO.	DESCRIPTION	ESTIMATED % WEIGHT		QUANTITY	UNIT	AMOUNT	
		SCHEDULED	ACCOMPLISHED				
		ITEM	PROJ.				
160.1	FORCE ACCOUNT WORK	1993	100	1993	22 Kms.	1000	
160.2	PROVIDE MAINTAIN LABORATORY AND OFFICE FOR ENGINEER	0.432	100	0.432	15 Mos.	1500	
160.3	PROVIDE ONE (1) UNIT 4-WHEEL DRIVE VEHICLE FOR ENGINEER	0.535	100	0.535	1 Unit	2000	
160.4	PROVIDE ONE (1) UNIT UTILITY VEHICLE FOR ENGINEER	0.255	100	0.255	1 Unit	2000	
160.5	LABORATORY AND OFFICE EQUIPMENT FOR ENGINEER	0.642	0	0	1 Unit	1000	
100	CLEARING AND GRUBBING	0.145	100	0.145	4.4 Ha.	4000	
103-1	REMOVAL OF BRIDGES (TIMBER BRIDGES)	0.038	100	0.038	2 Ea.	2000	
103-2	REMOVAL OF CULVERTS	0.062	100	0.062	39.148 Ea.m.	1500	
105	ROADWAY AND DRAINAGE EXCAVATION	3.873	100	3.873	33,688 Cu.m.	1200	
105	ROADWAY AND DRAINAGE EXCAVATION (FR. 104)	1.291	100	1.291	2,888 Cu.m.	1500	
106	EXCAVATION FOR STRUCTURES	0.578	100	0.578	2,822 Cu.m.	1500	
107	BORROW (FR. 103)	1.791	99.80	1.791	10,930 Cu.m.	2000	
107	BORROW	21870	99.80	2282	118,725 Cu.m.	1500	
108	AGGREGATE SUBBASE (FR. 103)	2.204	87.5	1.925	5,820 Cu.m.	1500	
108	AGGREGATE SUBBASE	17.541	88.80	15.76	44,880 Cu.m.	1500	
110	FOUNDATION FILL	0.181	100	0.181	181 Cu.m.	1500	
111	OVERHAUL (300 M. FREE HAUL)	0.007	100	0.007	2,782 Sq.m.	1500	
200	AGGREGATE BASE COURSE (GRADING "B")	0.064			150 Cu.m.	1500	
316	PORTLAND CEMENT CONCRETE PAVEMENT, 0.20 M (8" THICK)	36,608	77.19	2,631	57,740 Sq.m.	1500	
401	TIMBER (DETOUR) TRESTLE (SUPERSTRUCTURE ONLY) ON CPS	0.395	100	0.395	4 Spanns	2000	
402-2.5	PRECAST CONCRETE PILES (PURO BATYA-BOTILLA BRIDGES)	1.540	100	1.540	354 L.m.	1500	
402-2.5A	CONCRETE TEST PILE (FURNISH AND DRIVE)	0.450	100	0.453	1 Ea.	1500	
403	CONCRETE RAILINGS	0.069	100	0.069	48 L.m.	1500	
405	CONCRETE CLASS "A" (FOR HEADWALLS & MISC. STRUCTURES)	1.488	98.36	1.464	241 Cu.m.	1500	
405-1	CONCRETE CLASS "A" (PURO BATYA-BOTILLA BRIDGES)	0.732	100	0.732	114 Cu.m.	1500	
406	REINFORCING STEEL (BRIDGES & MISC. STRUCTURES)	1.051	100	1.051	21,288 Kgs.	1500	
407	STRUCTURAL STEEL (BOTILLA BRIDGE)	0.025	100	0.025	240 Kgs.	1500	
413-1	0.46 M. DIA. REINFORCED CONCRETE PIPE	0.182	76.3	0.140	80 L.m.	2000	
413-2	0.60 M. DIA. REINFORCED CONCRETE PIPE	0.362	91.72	0.332	157 L.m.	2000	
413-3	0.80 M. DIA. REINFORCED CONCRETE PIPE	1.130	100	1.130	264 L.m.	2000	
413-4	1.20 M. DIA. REINFORCED CONCRETE PIPE	1.036	100	1.036	148 L.m.	2000	
500	RIPRAP AND GROUTED	0.142	100	0.142	108 Cu.m.	1500	
502	COMBINATION CONC. CURB AND GUTTER (CURB ONLY)	0.069	0	0	100 L.m.	1500	
510	RIGHT-OF-WAY MARKERS	0.195	100	0.195	138 Ea.	2000	
SPL-2	CONCRETE BARRIERS	0.179	0	0	148 Ea.	1500	
TOTALS		100.00		62.69			
		THIRTY (30) DAY PERIODICAL ACCUMULATED					
		CUMULATIVE TOTAL AMOUNT					

BEST AVAILABLE DOCUMENT

BEST AVAILABLE DOCUMENT

STARTING DATE
SEPT. 12 1975

AMOUNT	SEPT 30	OCT 31	NOV 30	DEC 31	JAN 31	FEB 28	
	13	44	74	105	136	164	
000 242,000.00							
000 52,500.00							
500 65,000.00							
500 31,000.00							
500 78,000.00							
100 17,600.00							
100 4,600.00							
100 7,500.00							
00 470,328.00							
00 156,806.00							
00 45,936.00							
00 241,780.00							
00 2,777,400.00							
00 267,710.00							
00 2,150,240.00							
00 18,288.00							
30 834.60							
00 7,800.00							
00 4,445,980.00							
00 48,000.00							
00 187,040.00							
00 55,000.00							
00 7,140.00							
00 180,750.00							
00 88,920.00							
70 127,710.00							
10 8,120.00							
70 16,000.00							
70 43,960.00							
70 137,280.00							
70 125,840.00							
0 17,280.00							
0 6,900.00							
0 16,400.00							
0 21,750.00							
12,144,402.6							
ADJUSTMENT	1,499.84	3,578.78	78,027.60	238,700.24	480,472.91	431,384.70	479,622.00
		5,076.72	83,104.82	371,804.63	862,277.44	1,283,612.10	1,768,234.00

PRINT
POOR
QUALITY

SEN. ...



... TRAIL REPORT

— SCHEDULED ACCOMPLISHMENT



PREVIOUS ACCOMPLISHMENT

--- ACTUAL ACCOMPLISHMENT



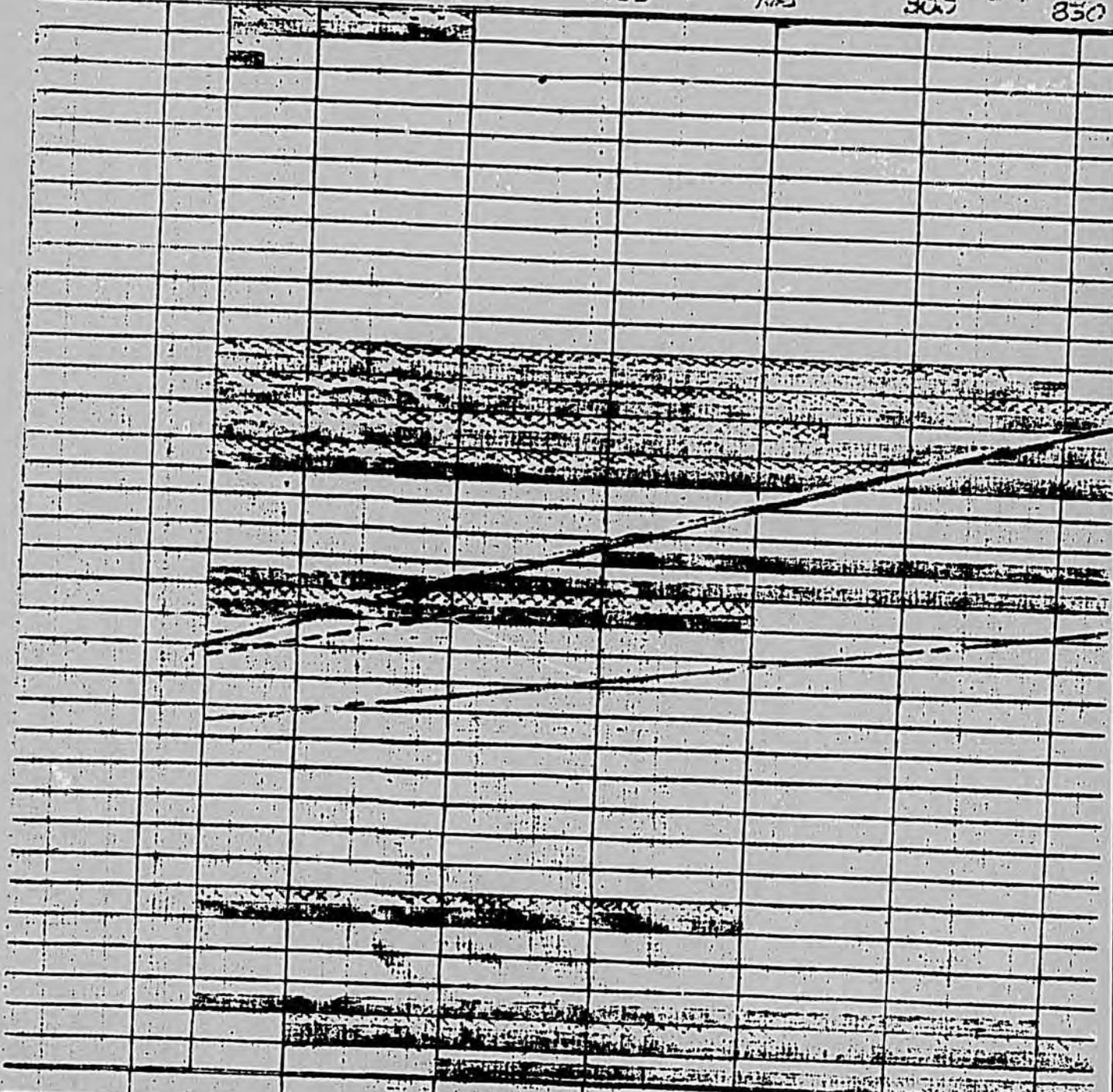
SCHEDULED WORK

REQUIRED
JULY 1980

PRINT
POOR
QUALITY

DATE	JUL 7	JUL 25	AUG 25	SEPT 25	OCT 25	NOV 25	DEC 25
	647,853	677	706	739	768	800	850

BEST AVAILABLE DOCUMENT



401,782.86	698,929.38	690,708.18	669,518.82	670,915.16	656,730.02	663
7,390,863.38	8,079,734.77	8,770,500.95	9,440,019.87	10,118,891.03	10,775,674.05	11,488



THIS TRIM REPORT



PREVIOUS ACCOMPLISHMENT

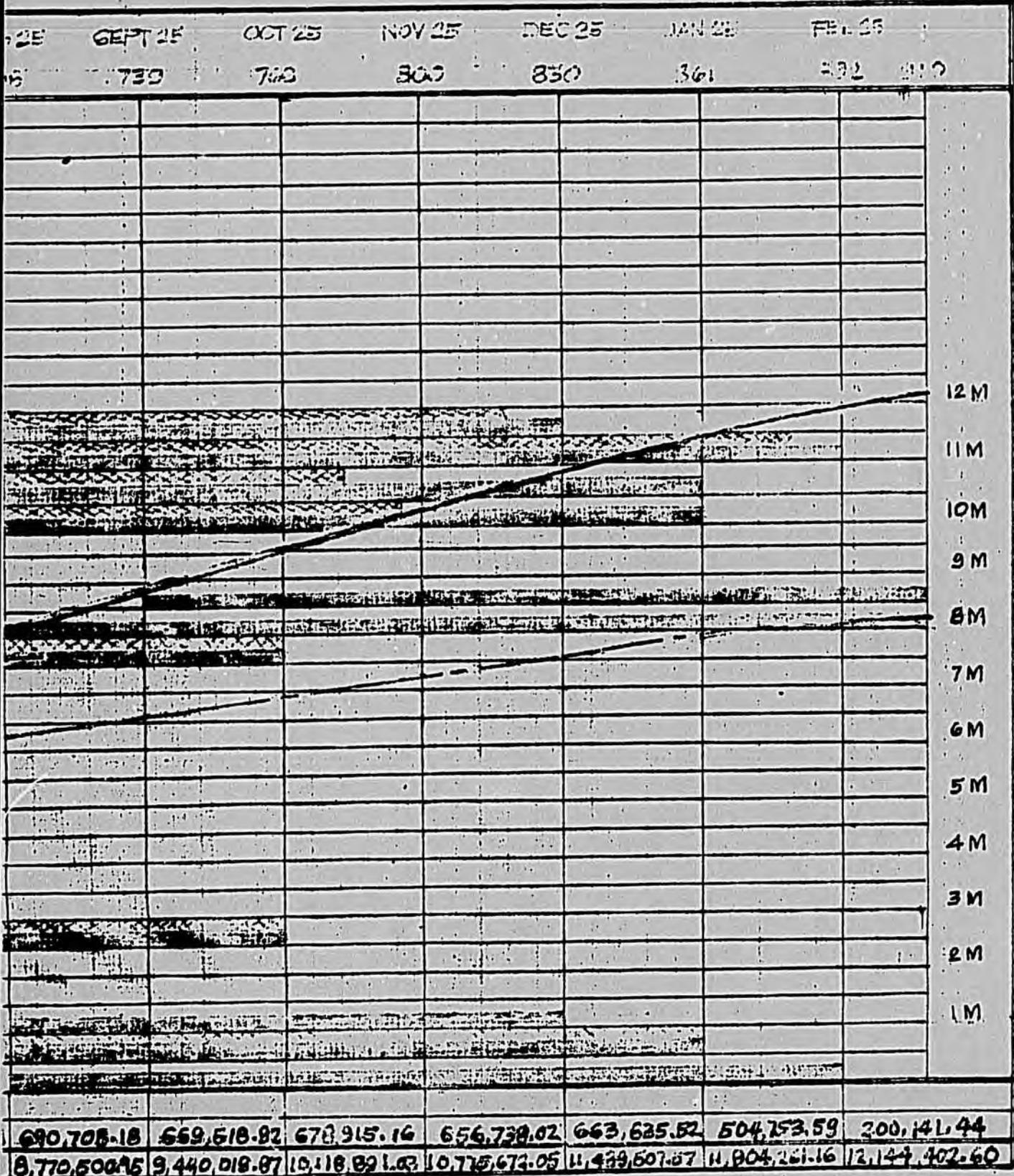


SCHEDULED ACCOMPLISHMENT
W/O ITEM NO.



SCHEDULED WORK

TESTING
EXPIRY DATE
MARCH 1991



PRINT
POOR
QUALITY

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of Spt. 25, 1980)

Libmanan Bridge-Cabusao Section

Sheet 1 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on bid Quantities	Quantity/Volume	Value
1.60.1	FORCE ACCOUNT WORK	22 KMS.	11,000.00/KM.	242,000.00	100	22 KMS.	242,000.00
1.60.2	PROVIDE AND MAINTAIN LABORATORY AND OFFICE FOR ENGINEER	15 MOS.	3,500.00/MO.	52,500.00	100	15 MOS.	52,500.00
1.60.3	PROVIDE ONE (1) UNIT 4-WHEEL DRIVE VEHICLE FOR ENGINEER	-	LUMP SUM	65,000.00	100	1	65,000.00
1.60.4	PROVIDE ONE (1) UNIT UTILITY VEHICLE	-	LUMP SUM	31,000.00	100	-	31,000.00
1.60.5	LABORATORY AND OFFICE FOR ENGINEER	-	LUMP SUM	78,000.00	0	0	0
100	CLEARING AND GRUBBING	4.4 HA.	4,000.00/HA.	17,600.00	100	4.4 HA.	17,600.00
103-1	REMOVAL OF CULVERTS	2 EA.	2,300.00 EA.	4,600.00	100	2 EA.	4,600.00
103-2	REMOVAL OF CULVERTS	15 EA.	500.00 EA.	7,500.00	100	15 EA.	7,500.00
105	ROADWAY AND DRAINAGE EXCAVATION	39,194 CU.M	12.00/CU.M	470,328.00	100	39,194 CU.M	470,328.00
105-1	ROADWAY AND DRAINAGE EXCAVATION	9,620 CU.M	16.30/CU.M	156,806.00	100	9,620 CU.M	156,806.00
106	EXCAVATION FOR STRUCTURES	2,552 CU.M	18.00/CU.M	45,936.00	100	2,552 CU.M	45,936.00
107	BORROW	115,725 CU.M	24.00/CU.M	2,777,400.00	99.82	115,522.85 CU.M	2,772,548.40
107-1	BORROW	10,990 CU.M	22.00/CU.M	241,780.00	98.35	10,808.41 CU.M	237,785.02
108	AGGREGATE SUBBASE	44,380 CU.M	49.00/CU.M	2,130,240.00	88.85	39,429.66 CU.M	1,892,623.40
108-1	AGGREGATE SUBBASE	5,820 CU.M	46.00/CU.M	267,720.00	85.55	4,978.97 CU.M	229,029.86
111	OVERHAUL (300 M. FREE HAUL)	2,782 STA.M.	0.30/STA.M.	834.60	100	2,782 STA.M.	834.60
200	AGGREGATE BASE COURSE (GRADING B)	150 CU.M	52.00/CU.M	7,800.00	0	0	0
316-2	PORTLAND CEMENT CONCRETE PAVEMENT (0.20 M. or 8" THICK)	57,740 SQ.M	77.00/SQ.M	4,445,980.00	7.19	4,149,979 SQ.M	319,548.38
401	TIMBER (DETOUR) SUPERSTRUCTURE ONLY	4 SPANS	12,000.00/SPAN	48,000.00	100	4	48,000.00
402-2.5a	CONCRETE TEST PILES	5 EA.	11,000.00 EA.	55,000.00	100	5	55,000.00
403	CONCRETE RAILINGS	42 L.M.	170.00/L.M.	7,140.00	100	42	7,140.00
402-2.5	PRECAST CONCRETE PILES	334 L.M.	560.00/L.M.	187,040.00	100	334 L.M.	187,040.00
405	CONCRETE CLASS "A" (FOR HEADWAYS AND MISCELLANEOUS STRUCTURES)	241 CU.M	750.00/CU.M	180,750.00	98.36	237.06 CU.M	177,795.00
405-1	CONCRETE CLASS "A" (FOR BRIDGES)	114 CU.M	780.00/CU.M	88,920.00	100	100	88,920.00
406 *	REINFORCING STEEL (FOR BRIDGES AND MISCELLANEOUS STRUCTURES)	21,285 KGS.	6.00/KG.	127,710.00	100	21,285 KGS.	127,710.00
110	FOUNDATION FILL	381 CU.M	48.00/CU.M	18,288.00	100	381 CU.M	18,288.00
407	STRUCTURAL STEEL (BOTILLA BRIDGE)	240 KGS.	13.00/KG.	3,120.00	100	240 KG.	3,120.00

ITEMIZED COMPUTED ACCOMPLISHMENT
 (As of Sept. 25, 1980)

Libmanan Bridge-Cabusao Section

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on bid Quantities	Quantity/Volume	Value
413-1	0.46 M. ϕ REINFORCED CONCRETE PIPE	80 L.M.	200.00/L.M.	16,000.00	76.25	61 L.M.	12,200.00
413-2	0.60 M ϕ REINFORCED CONCRETE PIPE	157 L.M.	280.00/L.M.	43,969.00	91.72	144 L.M.	40,320.00
413-3	0.90 M ϕ REINFORCED CONCRETE PIPE	264 L.M.	520.00/L.M.	137,280.00	100	264 L.M.	137,280.00
413-4	1.20 M ϕ REINFORCED CONCRETE PIPE	143 L.M.	880.00/L.M.	125,840.00	100	143 L.M.	125,840.00
500	GROUTED AND RIPRAP	108 CU.M.	160.00/CU.M.	17,280.00	100	108 CU.M.	17,280.00
502	COMBINED CONCRETE CURB AND GUTTER (CURB ONLY)	150 L.M.	46.00/L.M.	6,900.00	0	0	0
SPL-2	CONCRETE BARRIERS	145 EA.	50.00 EA.	21,750.00	0	0	0
510	RIGHT-OF-WAY MARKERS	328 EA.	50.00 EA.	16,400.00	100	328	16,400.00
TOTAL -----				<u>12,144,402.60</u>	-----	-----	<u>7,607,972.87</u>

A-10

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-MANGUIRING BRIDGE SECTION
Secondary Road

LABOG-BINANUAANAN NO. 301
MANGUIRING-CAMUNING NO. 302
Feeder Roads

NO. 22

AS OF ~~SEPTEMBER~~ 25, 1980

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 22
September 1980

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

CONTRACTOR: KAMAGONG BUILDERS & DEVELOPERS CORPORATION

1. GENERAL:

This twenty second monthly report covers the progress of construction for the month of September 1980.

The construction activities are as follows:

- a) Survey Work
- b) Earthwork Operation
- c) Formworks, cutting, bending and placing of reinforcing steel bars for the box culverts and headwalls of pipe culvert.
- d) Pouring of concrete for box culvert and headwalls of R.C. Pipe culverts.
- e) Installation of R.C. Pipe culverts
- f) Sampling and testing of construction materials
- g) Undertaking field density test

2. WEATHER:

Due to unworkable condition on the project site caused by heavy rains, work was suspended on the following dates:

September 1-4, 1980 - - - - - 4 days
September 6-7, 1980 - - - - - 2 days
Total - - - - - 6 days

The weather condition in the region during the month is cloudy with frequent rains, which hampered greatly the construction activities of the Contractor, especially on Feeder Road 301.

3. MOBILIZATION:

The Contractor has not completed the mobilization of equipment as of this report. The essential minimum equipment required in the contract for the project has not been complied with. However, the Contractor was able to bring in during the month additional equipment, such as rock crusher and another loader. Still the Contractor needs additional dump trucks and graders for the hauling and spreading of subbase materials.

The present equipment available at the project site is shown in the List of Equipment, Annex "B-B".

Contractor's Staff consist of seventy three (73) men, shown in the List of Personnel Annex "A-B", with their respective designations and assignments.

4. PROGRESS OF WORK:

The total work accomplished as of to-date is 57.28%, while the time elapsed is 79.97%. (Time extension due to bad weather and fuel shortage were already considered).

A. SECONDARY ROAD:

Survey Work:

1. Checking of subbase at the following road sections:

Sta. 1 + 200 to Sta. 1 + 900

Sta. 2 + 000 to Sta. 2 + 900

Sta. 6 + 000 to Sta. 8 + 500

2. Checking the elevation of headwalls of R.C. Pipe culverts at the following stations:

Sta. 5 + 375

Sta. 6 + 305

Sta. 7 + 000

Earthwork:

Item 103 - REMOVAL OF CULVERTS

The left side of the two lines of existing pipe culvert at Sta. 4 + 028 had been removed to complete the box culvert already under construction.

Item 106 - EXCAVATION FOR STRUCTURES

During the month, the excavation for structures on the left side R.C. Box culvert at Sta. 4 + 028 and R.C. Pipe culvert at Sta. 2 + 550 had been accomplished.

Item 108 - AGGREGATE SUBBASE (CLASS "A")

The Contractor continued hauling, spreading and compacting subbase materials at the following road sections:

Sta. 1 + 200 to Sta. 1 + 800

Sta. 5 + 550 to Sta. 5 + 700

Sta. 5 + 800 to Sta. 6 + 000

Sta. 6 + 050 to Sta. 8 + 350

Item 110 - FOUNDATION FILL

Granular materials for foundation fill had been placed and compacted before R.C. Pipe culvert was laid at Sta. 2 + 550.

Drainage Structures:

Item 406 - REINFORCING STEEL (FOR DRAINAGE AND
MISCELLANEOUS STRUCTURES)

Reinforcing steel bars which were previously cut and bent, were incorporated in the above-mentioned structures. The Contractor continues cutting and bending reinforcing steel bars for other structures to be constructed.

Item 413-2: 0.60 M.Ø REINFORCED CONCRETE PIPE

One line of 0.60 M.Ø Reinforced concrete pipe culvert was installed during the month at Sta. 2 + 550.

B. FEEDER ROADS:

B.1. - Feeder Road 301:

Survey Work:

1. Checking the subgrade at the road section from
Sta. 8 + 000 to Sta. 9 + 975
2. Checking the elevation of the R.C. Box culvert at Sta. 11 + 465.

Earthwork:

Item 105 - ROADWAY AND DRAINAGE EXCAVATION

The earthwork operation of the Contractor was greatly hampered by frequent rains in the area. But still work was undertaken at the

following section with minimal accomplishment:

Sta. 9 + 200 to Sta. 9 + 800

Sta. 10 + 000 to Sta. 11 + 400

Item 106 - EXCAVATION FOR STRUCTURES

Structural excavation had been accomplished during the month for the installation of R.C. Pipe culverts at Sta. 12 + 485 and Sta. 12 + 603.

Drainage Structures:

Item 405 - CONCRETE CLASS "A" (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)

During the month, concreting work had been accomplished for the bottom slab and one wall of the R.C. Box culvert at Sta. 11 + 465. Installation of formwork for the other side wall is in progress.

Item 406 - REINFORCING STEEL (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)

Reinforcing steel bars, which were previously cut and bent were incorporated in the above-mentioned structures. Reinforcing steel bars for other members of the structure are being cut and bent in the main compound.

B.2. - Feeder Road 302:

Survey Work:

1. Checking the elevation of headwalls for the R.C. Pipe culverts at Sta. 2 + 680 and Sta. 5 + 295.

Earthwork:

The activities of the Contractor during the month on this road system, was the repair and reshaping of the roadway which was damaged by flood and removing obstruction on side ditches for the smooth flow of rainwater.

Drainage Structures:

Item 405 - CONCRETE CLASS "A" (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)

The headwalls for the R.C. Pipe culverts at Sta. 2 + 680 and Sta. 5 + 295 had been accomplished during the month.

Item 406 - REINFORCING STEEL (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)

The reinforcing steel bars which were previously cut and bent were incorporated in the above-mentioned structures.

5. MATERIALS TESTING AND CONTROL:

The laboratory and field test for materials quality control undertaken by Contractor's Laboratory Staff under the supervision of the A & E Materials Engineer during this month were as follows:

Grading Analysis - - - - -	18
Plastic and Liquid Limit Determination - - - - -	18
Compaction Test - - - - -	3
Concrete Cylinder Samples - - - - -	2

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

A. Secondary Road:

Subgrade:

Sta. 0 + 000 to Sta. 3 + 500 - - - - - Completed
 Sta. 3 + 500 to Sta. 4 + 200 - - - - - Partial
 Sta. 4 + 200 to Sta. 6 + 000 - - - - - Completed
 Sta. 6 + 000 to Sta. 7 + 300 - - - - - Partial
 Sta. 7 + 300 to Sta. 9 + 700 - - - - - Completed
 Sta. 9 + 700 to Sta. 9 + 904 - - - - - Partial

Subbase:

Sta. 0 + 000 to Sta. 3 + 500 - - - - - Partial
 Sta. 4 + 200 to Sta. 6 + 000 - - - - - Partial
 Sta. 7 + 300 to Sta. 9 + 700 - - - - - Partial
 Base - - - - - None
 Surfacing (Bituminous Surface Treatment) - - None

Structures:

R.C. Box Culvert - - - - Three (3) Under Construction
 R.C. Pipe Culvert

ITEM NO.	DESCRIPTION	% ACCOMPLISHED
413-2	0.60 M.Ø = 81 L.M.	100.00
413-3	0.90 M.Ø = 53 L.M.	100.00
413-4	1.20 M.Ø = 35 L.M.	77.78

B. Feeder Road 301:

Subgrade:

Sta. 0 + 013.05 to Sta. 7 + 500 - - - - Completed
 Sta. 7 + 500 to Sta. 12 + 913.28 - - Partial

Subbase:

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

Structures:

R.C. Box Culvert - - - - - Two (2) Completed

R.C. Box Culvert - - - - - Two (2) Under Construction

R.C. Pipe Culvert

ITEM NO.	DESCRIPTION	% ACCOMPLISHED
413-2	0.60 M.Ø = 90 L.M.	82.57
413-4	1.20 M.Ø = 24 L.M.	21.81

C. Feeder Road 302:

Subgrade:

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

Subbase:

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

Structures:

R.C. Pipe Culvert

ITEM NO.	DESCRIPTION	% ACCOMPLISHED
413-2	0.60 M.Ø = 18 L.M.	100.00
413-4	1.20 M.Ø = 26 L.M.	100.00

7. COMMENT AND RECOMMENDATION:

The poor weather condition in the locality, which has been cloudy with frequent rains most of the time greatly hampered the construction activities of the Contractor, especially on Feeder Road 301. Another reason in the slow progress of work, is the lack of equipment, especially dump trucks and road graders, which are badly needed in hauling and spreading of subbase materials. Repair of broken down equipment should be given priority for the early completion of the project.

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

WEATHER REPORT

<u>Date - 1980</u>	<u>Weather Condition</u>	<u>Remarks</u>	<u>Time Extension Recommended</u>
August 26	Cloudy	Workable	None
27	Cloudy	-do-	-do-
28	Cloudy	-do-	-do-
29	Cloudy	-do-	-do-
30	Cloudy	-do-	-do-
31	Cloudy	-do-	-do-
September 1	Rainy	Unworkable	1 day
2	Rainy	Unworkable	1 day
3	Cloudy	Unworkable	1 day
4	Cloudy	Unworkable	1 day
5	Fair	Workable	None
6	Rainy	Unworkable	1 day
7	Cloudy with scattered rain	Unworkable	1 day
8	Cloudy	Workable	None
9	Fair	-do-	-do-
10	Fair	-do-	-do-
11	Fair	-do-	-do-
12	Fair	-do-	-do-
13	Fair	-do-	-do-
14	Fair	-do-	-do-
15	Cloudy	-do-	-do-
16	Cloudy	-do-	-do-
17	Fair	-do-	-do-
18	Fair	-do-	-do-
19	Fair	-do-	-do-
20	Cloudy with scattered rain	-do-	-do-
21	Cloudy	-do-	-do-
22	Cloudy	-do-	-do-
23	Cloudy	-do-	-do-
24	Cloudy with scattered rain	-do-	-do-
25	Cloudy	-do-	-do-

TIME EXTENSION RECOMMENDED THIS MONTH - - - - - 6 days
 TIME EXTENSION RECOMMENDED PREVIOUSLY - - - - - 83 days
 GRAND TOTAL TO DATE - - - - - 89 days

KAMAGONG BUILDERS & DEVELOPERS CORP.
 Calabanga-Manguiring Bridge Section
 Sub-Project 3, Contract Package No. 1
 Bo. Paolbo, Calabanga, Camarines Sur

LIST OF PERSONNEL

(As of September 25, 1980)

<u>NAME</u>	<u>DESIGNATION</u>
1. Emilio G. Angeles	Project Manager
2. Nemasio D. Hiramis	Project Engineer
3. Salve U. Tarrobago	Materials Engineer
4. Remegio Espada	Administrative Officer/Personnel
5. Emiliano L. Galvez	Mechanical Engineer
6. Crispin M. Aboga	Construction Foreman
7. Nilda Brila	Bookkeeper
8. Onofre N. Ponce	Timekeeper/Warehouseman
9. Antonio Lapastora	Asst. Warehouseman
10. Enrico Soriano	Courier
11. Benjamin de Leon	Janitor
12. Eduardo D. Roman	C.E. Aide
13. Jean A. Chaves	C.E. Aide
14. Armando Florendo	Instrumentman
15. Romeo Manalo	Survey Aide
16. Galicano Saquido	Survey Aide
17. Victorio Boragay Jr.	Laboratory Aide
18. Felix Gutierrez	Laboratory Aide
19. Eduardo Linga	Service Driver
20. Roden Jayco	Service Driver
21. Tomas Otordoz	DT-Driver
22. Dominador Temporal	DT-Driver
23. Rogelio Collada	DT-Driver
24. Luciano Austria	DT-Driver
25. Benjamin Arenas	DT-Driver
26. Constancio Layderos	DT-Driver
27. Flor Barra	DT-Driver
28. Benjamin Obrero	DT-Driver
29. Federico dela Cruz	Bulldozer Operator
30. Macario Rosento	Bulldozer Operator
31. Benjamin Baron	Payloader Operator
32. Felino Vale	Payloader Operator
33. Vicente Pron Jr.	Grader Operator
34. Jose Harochoc	Grader Operator
35. Romeo Vale	Dynapac Operator
36. Elias Magabon	Road Roller Operator
37. Alejandro Pareño	Backhoe Operator
38. Oligario Labayan	Trailer Operator
39. Jaime Rambuyon	Helper
40. Jose Bacanto	Chief Mechanic

KAMAGONG BUILDERS & DEVELOPERS CORP.
 Calabanga-Manguiring Bridge Section
 Sub-Project 3, Contract Package No 1
 Bo. Paolbo, Calabanga, Camarines Sur

(Cont.)

LIST OF PERSONNEL

(As of September 25, 1980)

<u>NAME</u>	<u>DESIGNATION</u>
41. Rolando Miguel	Welder
42. Rolando Murillon	Mechanic
43. Alfonso Calleja	Mechanic
44. Jesus Magno	Mechanic
45. Barnido Cama	Electrician
46. Victor Sandagon	Batteryman
47. Vicente Bayonito	Mechanic
48. Daniel Capagas	Tireman
49. Vergilio Tospore	Crusher Operator
50. Pedro Preconcillo	Crusher Helper
51. Jesus Lacerna	Crusher Helper
52. Efran Pron	Bulldozer Operator
53. Porferio Tatel	Leadman - RCBC
54. Gilberto Tatel	Steelman
55. Leopoldo Tatel	Steelman
56. Abelardo Llanaresas	Steelman
57. Rogelio Teanson	Steelman
58. Malaquias Alviso	Leadman - RCP Headwall
59. Edgardo Alviso	Carpenter
60. Ruben Francisco	Carpenter
61. Gedio Alviso	Steelman
62. Pedro Briones	Laborer
63. Egmedio Moran	Laborer
64. Monico Comin	Steelman
65. Antero Dollano	Laborer
66. Antonio Azafies	Leadman-RCBC
67. Albino Llanaresas	Steelman
68. Felicito Bernal	Steelman
69. Vicente Reblora	Carpenter
70. Elmer Combes	Laborer
71. Rosauo Azafies	Laborer
72. Jesus Ilagan	Laborer

One (1) Security Guard from ARPA Agency.

SUBMITTED BY:

(SGD.) NEMESIO D. HERAMIS
 Project Engineer

SECONDARY ROAD - - - - - 9.904 KMS.
 FEEDER ROAD NO. 301 - - - - - 12.900 KMS.
 FEEDER ROAD NO. 302 - - - - - 5.283 KMS.
 NET LENGTH - - - - - 28.087 KMS.

ITEM NO.	DESCRIPTION	ESTIMATED	
		SCHEDULED	ACCUMULATED
1.60.2	PROVIDE & MAINTAIN LABORATORY & OFFICE FOR ENGINEER	0.5120	100
1.60.3	PROVIDE 1-UNIT 4-WHEEL DRIVE VEHICLE FOR ENGINEER	0.6968	100
1.60.6	LABORATORY & OFFICE EQUIPMENT FOR ENGINEER	1.0582	50
100	CLEARING AND GRUBBING	0.0256	100
103-2	REMOVAL OF CULVERTS (RCPC) <small>SECONDARY & FEEDER ROAD 302 FEEDER ROAD 301</small>	0.0925	76
105-1	ROADWAY AND DRAINAGE EXCAVATION (WASTE)	4.8881	92
105-3	ROADWAY AND DRAINAGE EXCAVATION	25.4683	97
106	EXCAVATION FOR STRUCTURE	0.4331	62
107	BORROW	4.6656	96
108	AGGREGATE SUBBASE CLASS "A"	25.9422	58
110	FOUNDATION FILL	0.1508	59
111	OVERHAUL (300 M FREE HAUL)	0.0109	02
200	CRUSHED AGGREGATE BASE COURSE (GRADING "B")	8.2456	
203-2	SOIL ASPHALT BASE COURSE	2.0026	
302-1	MEDIUM CURING CUTBACK ASPHALT (MC 1) FOR BIT. COAT	2.5707	
305-1	COVER MATERIAL FOR BITUMINOUS SEAL COAT	0.0300	
305-3	EMULSIFIED ASPHALT GRADE-SS. FOR BITUMINOUS SEAL COAT	0.1639	
314 1	AGGREGATE MATERIALS FOR BST (HOT ASPHALT TYPE)	1.5758	
314+3	85-100 PENETRATION ASPHALT CEMENT FOR BST	5.1916	
405-1	CONCRETE CLASS A (FOR DRAINAGE AND MISC. STRUCTURE)	7.2730	60
406	REINFORCING STEEL (FOR DRAINAGE AND MISC. STRUCTURE)	5.8306	27
412	STONE MASONRY	0.0085	
413-2	0.60 M. DIA. REINFORCED CONCRETE PIPE	0.7573	20
413-3	0.90 M. DIA. REINFORCED CONCRETE PIPE	0.3317	20
413-4	1.20 M. DIA. REINFORCED CONCRETE PIPE	1.7506	42
510	RIGHT OF WAY MARKER	0.3241	
TOTAL		100.00	

THIRTY (30) DAY
 CUMULATIVE TO

FEB. 5, 1979
START OF
CONTRACT TIME

% WEIGHT ACCOMPLISHED		QUANTITY	UNIT COST	AMOUNT	FEB 28 24	MAR 31 55	APR 80
ITEM	PROJECT						
0.00	0.5120	18 MOS.	LUMP SUM	P 45,000.00			
0.00	0.6968		LUMP SUM	61,240.70			
0.00	0.5291		LUMP SUM	93,000.00			
0.00	0.0256	0.5 HA.	4 500 00	2,250.00			
6.47	0.0707	7 EA.	150.00 28.28	8,130.00			
7.92	4.0590	26 850 CU.M.	16.00	429,600.00			
7.62	22.9153	91 810 CU.M.	24.38	2 238,327.80			
7.48	0.2704	1 730 CU.M.	22.00	38,060.00			
5.60	4.5070	12 060 CU.M.	34.00	410,040.00			
7.57	19.7675	48 510 CU.M.	47.00	2 297,970.00			
7.00	0.0875	250 CU.M.	53.00	13,250.00			
7.00	0.0100	3 200 STA.M.	0.30	960.00			
		13 420 CU.M.	54.00	724,680.00			
		4 000 CU.M.	44.00	176,000.00			
		102 M.T.	2,215.00	225,930.00			
		24 CU.M.	110.00	2,640.00			
		6 M.T.	2,400.00	14,400.00			
		1 385 CU.M.	100.00	138,500.00			
		201 M.T.	2,270.00	456,270.00			
7.70	5.0758	940 CU.M.	680.00	639,200.00			
7.28	3.5171	78 835 KGS	6.50	512,428.00			
		3 CU.M.	250.00	750.00			
7.82	0.6280	208 LM.	320.00	66,560.00			
7.00	0.3317	53 L.M.	550.00	29,150.00			
7.00	0.2221	181 L.M.	850.00	153,850.00			
		712 EA.	40.00	28,480.00			
	57.8823			P 8 788 666 00			
PERIODICAL ACCOMPLISHMENT					12,060	171,277	270,406
AL AMOUNT					4,488	157,597	216,020
						120,587	452,749
						151,885	369,805

PRINT
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PROGRESS THIS REPORT



PREVIOUS ACCOMPLISHMENT



SCHEDULED WORK



SCHEDULED ACCOMPLISHMENT



ACTUAL ACCOMPLISHMENT

APR 25	APR 25	MAY 25	JUN 25	JUL 25	AUG 25	SEP 25	OCT 25
15	446	476	507	537	568	599	
485,443	489,511	486,174	484,974	449,029	446,232	442,610	
380,421	392,625	390,649	390,640	360,992	358,066	353,068	
7,262,033	5,751,544	6,328,518	6,725,402	7,175,421	7,621,050	8,064,272	
4,221,129	4,619,874	5,051,723	5,305,172	5,756,104	6,114,070	6,409,138	

B-14-5

B-15

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of September 25, 1980)

Calabanga-Manguiring Bridge Section

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>							
1.60.2	PROVIDE & MAINTAIN LABORATORY & OFFICE FOR ENGINEER	18 MOS.	2,500.00/MO.	45,000.00	100.00	18	45,000.00
1.60.3	PROVIDE 1-UNIT 4-WHEEL DRIVE VEHICLE FOR ENGINEER	-	LUMP SUM	61,240.70	100.00	-	61,240.70
1.60.6	LABORATORY AND OFFICE FOR ENGINEER	-	LUMP SUM	93,000.00	50.00	-	46,500.00
100	CLEARING AND GRUBBING	0.50 HA.	4,500.00	2,250.00	100.00	0.50	2,250.00
103-2	REMOVAL OF CULVERTS(RCPC)	17 EA.	450.00	7,650.00	76.47	13	5,850.00
103-2	REMOVAL OF CULVERTS(RCPC) Fd.Rd301	1 EA.	480.00	480.00	100.00	1	480.00
105-1	ROADWAY AND DRAINAGE EXCAVATION (WASTE)	26,850 CU.M.	16.00	429,600.00	82.92	22,263	356,208.00
105-3	ROADWAY AND DRAINAGE EXCAVATION	91,810 CU.M.	24.38	2,238,327.80	87.62	80,446	1,961,273.48
106	EXCAVATION FOR STRUCTURES	1,730 CU.M.	22.00	38,060.00	62.49	1,081	23,782.00
107	BORROW	12,060 CU.M.	34.00	410,040.00	96.60	11,650	396,100.00
108	AGGREGATE SUBBASE CLASS"A"	48,510 CU.M.	47.00	2,279,970.00	53.07	25,743	1,209,921.00
110	FOUNDATION FILL	250 CU.M.	53.00	13,250.00	58.00	145	7,685.00
111	OVER HAUL (300 M. FREEHAUL)	3,200 STA.M.	0.30	960.00	100.00	3,200	960.00
200	CRUSHED AGGREGATE BASE COURSE (GRADING "B")	13,420 CU.M.	54.00	724,680.00	0	0	0
203-2	SOIL ASPHALT BASE COURSE	4,000 SQ.M.	44.00	176,000.00	0	0	0
302-1	COVER MATERIALS FOR BITUMINOUS SEAL COAT	102 M.T.	2,215.00	225,930.00	0	0	0
305-1	EMULSIFIED ASPHALT GRADE,SS FOR BITUMINOUS SEAL COAT	24 CU.M.	110.00	2,640.00	0	0	0
305-3	EMULSIFIED ASPHALT GRADE, SS FOR BITUMINOUS SEAL COAT	6 M.T.	2,400.00	14,400.00	0	0	0
314-1	AGGREGATE MATERIALS FOR BST (HOT ASPHALT TYPE)	1,385 M.T.	100.00	138,500.00	0	0	0
314-3	85-100 PENETRATION ASPHALT CEMENT FOR BITUMINOUS SURFACE TREATMENT	201 M.T.	2,270.00	456,270.00	0	0	0

ANNEX "B-D"

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of September 25, 1980)

Calabanga-Manguiring Bridge Section

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	QUANTITY/ VOLUME	VALUE
405-1	CONCRETE CLASS "A" (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES	940 CU.M.	680.00	639,200.00	69.79	656	446,080.00
406	REINFORCING STEEL (DRAINAGE AND MISCELLANEOUS STRUCTURES)	78,835 KGS	6.50	512,458.00	60.32	47,554	309,101.00
412	STONE MASONRY	3 CU.M.	250.00	750.00	0	0	0
413-2	0.60 M.Ø REINFORCED CONCRETE PIPE	208 L.M.	320.00	66,560.00	90.86	189	60,480.00
413-3	0.90 M.Ø REINFORCED CONCRETE PIPE	53 L.M.	550.00	29,150.00	100.00	53	29,150.00
413-4	1.20 M.Ø REINFORCED CONCRETE PIPE	181 L.M.	850.00	153,850.00	46.96	85	72,250.00
510	RIGHT-OF-WAY MARKERS	712 EA.	40.00	28,480.00	0	0	0
T O T A L - - - - -				<u>28,788,666.90</u>			<u>25,034,311.18</u>

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

MONTHLY CONSTRUCTION REPORT

For

Sub-project 3
Contract Package No. 3

SEVEN BRIDGES, CALABANGA-TINAMBAG ROAD

NO. 20

AS OF SEPTEMBER 25, 1980

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 20
September 1980

PROJECT: SEVEN (7) BRIDGES, CALABANGA-TINAMBAC ROAD
(Sub-Project 3, Contract Package No. 3)

Construction of Kawayan Bridge (Superstructure Only) Sta. 20 + 124.40
under Force account by the Ministry of Public Highways, Region V, Cons-
truction Team.

I. GENERAL

This report covers the activities and accomplishment from August
26 to September 25, 1980. The activities during this period were as
follows:

1. Construction of falsework on the 2nd and 1st spans, cutting
and bending and placing of formworks, placing of rebars
and pouring of concrete for floor slab were completed.
2. Construction of falsework, formwork for the three (3) girders
on the 1st span and cutting, bending, placing of rebars and
pouring of concrete were completed.
3. Removal of sideform of the three (3) girders and placing
of formwork for the floor slab, cutting, bending of rebar
still in progress on the 1st span.

II. WEATHER

The weather was generally fair except for a few days of rainfall.

III. PROGRESS OF WORK

1. Construction of falsework and formwork for girders, dia-
pragms, floor slab, and rebars, sidewalks, rail posts and
railings of the 2nd span and pouring of concrete were
completed.

2. Construction of falsework and formwork, placing of reinforcing steel and pouring of concrete for the three (3) girders of the 1st span were completed.
3. Construction of formwork for floor slab of the 1st span is in progress.

IV. Items of work accomplished by MPH, Region V construction team for this period were as follows:

Item 403, Concrete Railings - 48 L.M.

Item 405-1, Concrete Class "A" - 98 Cu.m.

Item 406, Reinforcing Steel Grade 40 - 11,536 kilos

The work accomplished for this period is 88% based on the superstructures.

PHYSICAL ACCOMPLISHMENT (Accumulated as of report period)

- a. Substructure - completed by original Contractor
- b. Superstructures - 3rd, 2nd spans - 24 L.M. - completed by MPH.
Three (3) girders - 1st span - 12.00 L.M. were completed by MPH construction team.

COMMENTS AND RECOMMENDATIONS

The equipment at the project site is one (1) concrete mixer (1 bagger). It is recommended that one (1) additional concrete mixer and also one (1) concrete vibrator should be brought to the bridge site,

The construction of sidewalks, rail posts and railings which involves small volume of concrete should not be done span by span but for the whole length of the bridge for better alignment.

Based on the program of work submitted by the MPH Region V Construction Team, (for superstructures only).

Date Started - June 16, 1980

Date to complete - October 14, 1980

No. of Days to Complete - 120 Calendar days

Time Elapsed to Date - 96 Calendar days

Percent (%) Time Elapsed - 80% as of September 25, 1980

Work Accomplished - 88% (Superstructure only)

MANGUING BRIDGE ----- 30.60 M.
 CUT-12 BRIDGE ----- 24.60 M.
 TUMULOS BRIDGE ----- 15.60 M.
 TIGUIB BRIDGE ----- 12.60 M.
 KAWAYAN BRIDGE ----- 36.60 M.
 HUBO BRIDGE ----- 15.60 M.
 WITIWIT BRIDGE ----- 15.60 M.
 NET LENGTH ----- 151.20 M.

ITEM NO.	DESCRIPTION	ESTIMATED % WT.	
		SCHEDULED	ACCOMPLISH
I.G0.1	FORCE ACCT. WORK (REPAIR & MAINTENANCE OF EXIST CUT12 BR.	1.8647	100
I.G0.2	MAINTENANCE & REPAIR OF LAB. AND OFFICE FOR ENGR	0.4196	-
401	TIMBER DETOUR SPAN	7.4589	50
103.1	REMOVAL OF BRIDGES	1.6316	28.5
402-25a	REINFORCE CONCRETE TEST PILE 12.00M	4.1956	80.00
402-25b	REINFORCE CONCRETE TEST PILE 14.00M	1.4685	66.67
402.25	REINFORCE CONCRETE PILE	29.7423	83.79
106-2	EXCAVATION FOR STRUCT. (ABOVE WATER LEVEL)	0.1056	32.25
106-3	EXCAVATION FOR STRUCT. (BELOW WATER LEVEL)	0.1268	100
406	REINFORCING STEEL	20.9415	21.90
407	STRUCTURAL STEEL	1.5337	16.37
405	CONCRETE CLASS "A"	8.6984	37.29
405-1	CONCRETE CLASS "A"	16.1928	87.61
105	ROADWAY AND DRAINAGE EXCAVATION	0.7981	18.92
403	CONCRETE RAILING	1.6447	13.06
107	BORROW	0.3578	-
500	GROUTED RIPRAP	2.8194	7.93
	TOTAL	100.0000	100.00

THIRTY (30) DAY PERIODICA

CUMULATIVE TOTAL AD

BAR SCHEDULE SEVEN BRIDGES CALABANG

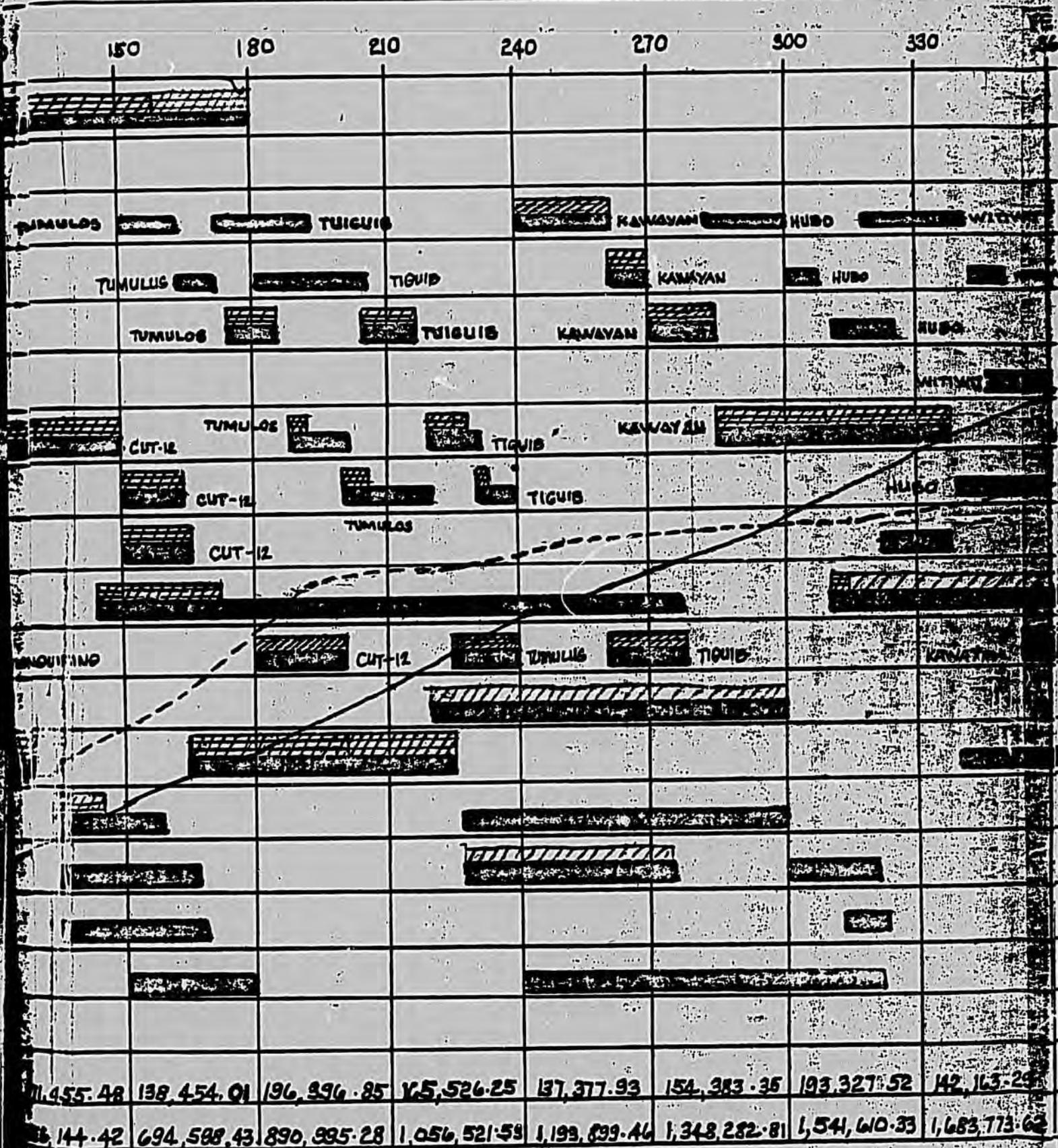
FEBRUARY 15, 1979
START OF
CONTRACT TIME

QTY.	QUANTITY	UNIT COST	AMOUNT	30	60	90	120
	1	LUMP SUM	₱40,000.00	[Hatched bar]			
	3 MO.	₱3,000.00	9,000.00	[Hatched bar]			
3729	16 SPANS	10,000.00	160,000.00	[Hatched bar] MANGUING			
4661	7	5,000.00	35,000.00	[Hatched bar] MANGUING CUT-12			
3256	10	9,000.00	90,000.00	[Hatched bar] MANGUING			
9779	3	10,500.00	31,500.00	[Hatched bar] CUT-12			
2230	1,160 L.M	550.00	638,000.00	[Hatched bar] MANGUING			
8041	103 M ³	22.00	2,266.00	[Hatched bar] MANGUING			
01268	68 M ³	40.00	2,720.00	[Hatched bar] MANGUING			
7771	83,188 KG	5.40	449,215.20	[Hatched bar]			
7171	2,632	12.50	32,900.00	[Hatched bar] MANGUING			
9302	262.8 M ²	710.00	186,588.00	[Hatched bar]			
7719	423.6 M ³	820.00	347,352.00	[Hatched bar]			
2015	856 M ³	20.00	17,120.00	[Hatched bar]			
0000	294 L.M	120.00	35,280.00	[Hatched bar]			
	307 M ³	25.00	7,675.00	[Hatched bar]			
339222	504 M ³	120.00	60,480.00	[Hatched bar]			
			₱ 2,145,026.20	[Hatched bar]			
PERIODICAL ACCOMPLISHMENT			₱21,866.70	107,516.66	128,576.08	126,729.50	171.4
TOTAL AMOUNT				129,383.36	257,959.44	384,688.94	526

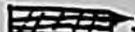
WORK SECTION

NGA - TIGUBAC

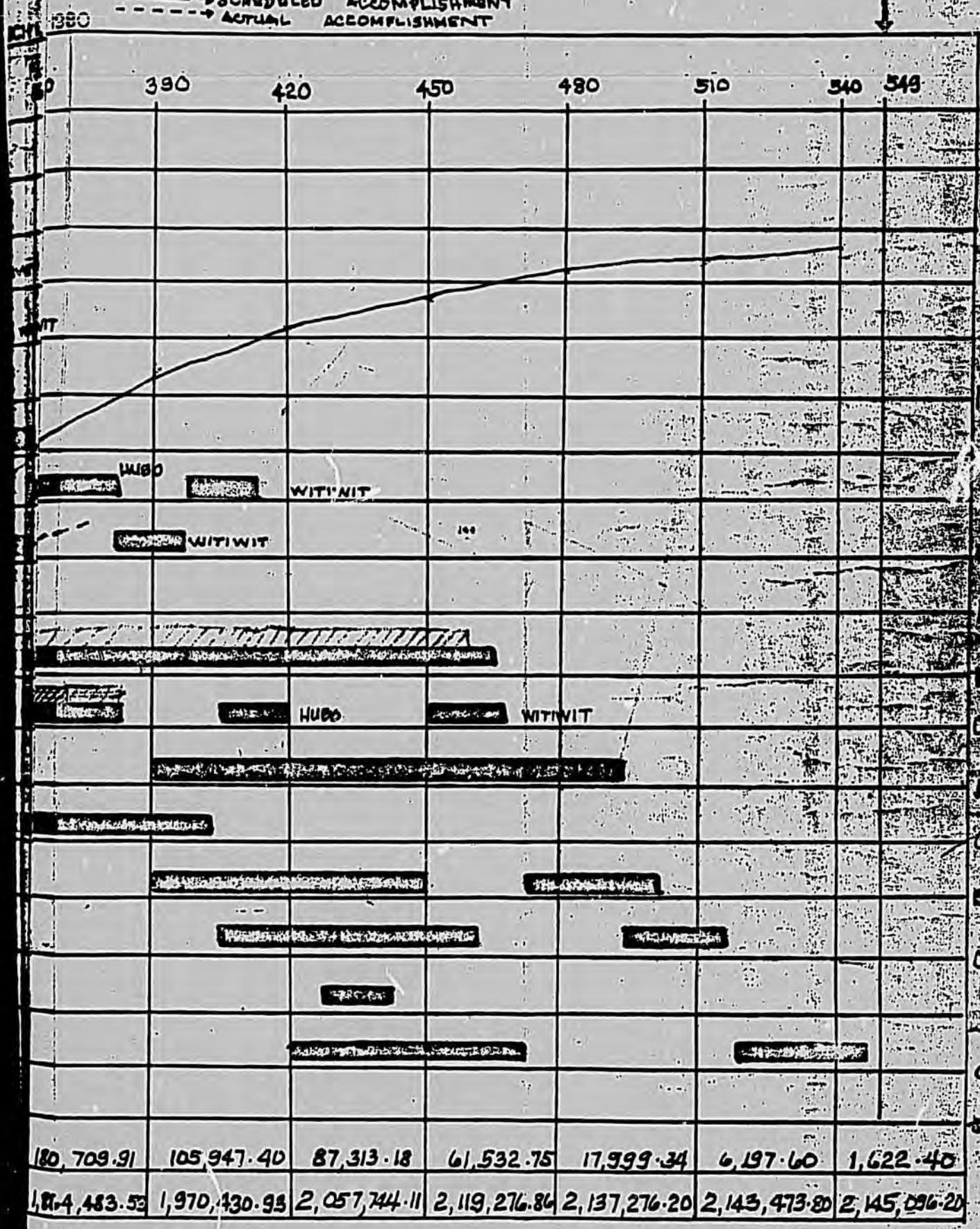
TEMPORARY SUSPENDED MARCH 1



LEGEND :

-  → PREVIOUS ACCOMPLISHMENT
-  → PROGRESS THIS REPORT
-  → SCHEDULED WORK
-  → SCHEDULED ACCOMPLISHMENT
-  → ACTUAL ACCOMPLISHMENT

AUGUST 18, 1980
EXPIRY DATE



SEVEN (7) BRIDGES, CALABANGA-TINAMBAC SECTION

ITEMIZED COMPUTED ACCOMPLISHMENT
As of September 5, 1980

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on Bid Quantities	Quantity/Volume	Value
1.60.1	FORCE ACCOUNT WORK (REPAIR AND MAINTENANCE OF EXISTING CUT-12 BRIDGE	40,000.00	LUMP SUM	P 40,000.00	100.00	-	P 40,000.00
1.60.2	MAINTENANCE AND REPAIR OF LABORATORY AND OFFICE FOR ENGINEER	3 MO.	3,000.00/MO.	9,000.00	-	-	-
103-1	REMOVAL OF BRIDGE	7	5,000.00 EA.	35,000.00	28.57	3	15,000.00
105	ROADWAY AND DRAINAGE EXCAVATION	856 CU.M.	20.00/CU.M.	17,120.00	18.92	56 CU.M.	1,120.00
106-2	EXCAVATION FOR STRUCTURES (ABOVE WATER LEVEL)	103 CU.M.	22.00/CU.M.	2,266.00	38.33	30 CU.M.	660.00
106-3	EXCAVATION FOR STRUCTURES (BELOW WATER LEVEL)	68 CU.M.	40.00/CU.M.	2,720.00	100.00	68 CU.M.	2,720.00
107	BORROW	307 CU.M.	52.00/CU.M.	7,675.00	-	-	-
401	TIMBER DETOUR SPAN	16 SPANS	10,000.00/SPAN	160,000.00	50.00	8 SPANS	80,000.00
402-2.5	REINFORCED CONCRETE PILE	1,160 L.M.	550.00/L.M.	638,000.00	83.79	1,008 L.M.	554,400.00
402-2.5a	REINFORCED CONCRETE TEST PILE (12 M.)	10	9,000.00 EA.	90,000.00	80.00	8	72,000.00
402-2.5b	REINFORCED CONCRETE TEST PILE (14 M.)	3	10,500.00 EA.	31,500.00	56.57	2	21,000.00
403	CONCRETE RAILING	294 L.M.	120.00/L.M.	35,280.00	36.73	156 L.M.	18,720.00
405	CONCRETE, CLASS "A" WITHOUT PIER	262.8 CU.M.	710.00/CU.M.	186,588.00	-	98 CU.M.	69,580.00
405-1	CONCRETE, CLASS "A" WITH PIER	423.6 CU.M.	820.00/CU.M.	347,352.00	76.27	323.10 CU.M.	264,942.00
406	REINFORCING STEEL, GRADE 40	83,188 KG.	5.40/KG.	449,215.20	48.06	54,036 KG.	291,794.40
407	STRUCTURAL STEEL	2,632 KG.	12.50/KG.	32,900.00	76.37	1,676 KG.	20,950.00
500	GROUTED RIPRAP	504 CU.M.	120.00/CU.M.	60,480.00	7.93	47 CU.M.	5,640.00
T O T A L - - - - -				P2,145,096.20			P1,458,526.40
<p>NOTE: Item 402-2.5 - There is a total overrun of 199 L.M. for RC. Piles.</p>							

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

MONTHLY CONSTRUCTION REPORT

For

Sub-project 3
Contract Package No. 2

MANGUIRING BRIDGE-TINAMBAC SECTION

NO. 19

AS OF SEPTEMBER 25, 1980

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 19

September 1980

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

CONTRACTOR: KAMAGONG BUILDERS & DEVELOPERS CORP.

I. GENERAL

The construction activities of the Contractor during this period were as follows:

A. Secondary Road - Manguring Bridge-Tinambac Section

1. Construction survey
2. Subbase operation
3. Fabrication and installation of R.C. pipes
4. Screening and stockpiling of subbase materials
5. Sampling and quality control testing of construction materials

B. Feeder Road No. 303 - Hubo-Balao Road

1. Construction survey
2. Earthworks operations
3. Sampling and quality control testing of construction materials

II. WEATHER

Due to unworkable soil conditions caused by rains, work during the period was suspended from July 26 to July 30 and on September 2, 3, 4, 7, 23 and 24 or a total of eleven (11) days. The weather condition during the rest of the period was generally fair as shown in the attached Weather Report.

III. MOBILIZATION

The present available equipment in the project site is 33.93% based on the number of minimum equipment required of the Contractor for this project.

The available equipment in the project site are shown in the Contractor's List of Equipment, Annex "D-B".

During this period the Contractor employed additional men for the fabrication and installation of R.C. pipes. The personnel of the Contractor's working force with their respective designation and assignment are shown in the Contractor's List of Personnel, Annex "D-A".

IV. PROGRESS OF WORK

The status of the project as of this report based on the bar schedule of work, updated August, 1980, is as follows:

Total Accomplishment (%) - - - - -	27.34
Time Elapsed (%) - - - - -	69.03
Slippage (%) - - - - -	41.98 (-)

In the time elapsed, 138 days extension due to fuel and oil shortage and negotiations for Road Right of Way, and 130 days extension due to unworkable ground condition or a total of 268 days have been considered.

A. SECONDARY ROAD

Construction Survey

1. Checked subgrade elevation

- a. From Sta. 16 + 200 to Sta. 17 + 400.
- b. From Sta. 17 + 550 to Sta. 18 + 200.

2. Established invert elevations for the laying of R.C. pipes at the following stations:

- a. Sta. 10 + 629 - 2-0.90 M \emptyset x 17.0 M.
- b. Sta. 18 + 708 - 1-0.90 M \emptyset x 19.0 M.
- c. Sta. 18 + 514 - 1-0.90 M \emptyset x 18.0 M.
- d. Sta. 18 + 940 - 1-0.90 M \emptyset x 18.0 M.

Earthworks

Item 103-2: REMOVAL OF CULVERTS

4 lines of existing R.C. Culvert pipes were removed at the following stations:

- Sta. 10 + 350 (half)
- Sta. 10 + 629 (complete) 1-0.90 M \emptyset
- Sta. 15 + 867 (complete) 1-0.90 M \emptyset
- Sta. 18 + 514 (half only)

Item 106: EXCAVATION FOR STRUCTURES

Excavation for R. C. pipes were done at the following stations:

STATION	VOLUME ACCOMPLISHED
10 + 629	59.50 cu.m. (complete)
15 + 100	18.00 cu.m. (complete)
15 + 867	21.0 cu.m. (complete)
18 + 514	<u>25.20 cu.m. (half)</u>

Total - 123.70 cu.m.

Item 108: AGGREGATE SUBBASE

The Contractor hauled, spread, and compacted subbase materials at the following stations:

- a. From Sta. 15 + 950 to Sta. 16 + 450.
- b. From Sta. 16 + 500 to Sta. 17 + 400.
- c. From Sta. 17 + 500 to Sta. 18 + 200.

The materials were not satisfactorily compacted due to unworkable materials condition caused by rains. About 1,000 cu.m. were credited as accomplishment.

Item 110: FOUNDATION FILL

Before the R. C. pipes were laid, foundation fill materials were placed and hand tamped at the following stations:

STATION	VOLUME ACCOMPLISHED (cu.m.)
10 + 629	2.55 (completed)
15 + 100	1.80 (completed)
15 + 867	2.10 (completed)
18 + 514	<u>1.26</u> (half)
Total - 7.71 cu.m.	

Drainage Structures

Item 413-2: 0.60 M Ø REINFORCED CONCRETE PIPE

Twelve (12) lineal meters of R.C. pipes were laid, joints collared with cement mortar and back-filled at Sta. 15 + 100.

Number of R.C. pipes fabricated - - 23 pieces.

Item 413-3: 0.90 M Ø REINFORCED CONCRETE CULVERT
PIPE

R. C. pipes were installed at the following stations:

STATION	ACCOMPLISHED (Lineal M.)
10 + 629	16.8 (2-lines complete)
15 + 867	12.0 (2-lines complete)
15 + 514	<u>8.40</u> (1-line half only)
Total - 37.20 lineal meters	

Number of R.C. pipes fabricated - - 44 pieces.

B. FEEDER ROAD 303

Construction Survey

1. Relocation of alignment.

- a. From P.I. No. 25, Sta. 3 + 617.30 to P.I. No. 43, Sta. 6 + 774.96, end of project.
- b. Profile and cross-sectioning of original ground. From Sta. 3 + 725 to Sta. 6 + 774.96, end of project.
- c. Established alignment and invert elevations for 2 lines of 1.20 R.C. pipes at Sta. 1 + 412.
- d. Checked profile and cross-section of subgrade for collection purposes from Sta. 2 + 375 to Sta. 5 + 000.

Earthworks

Item 105-3: ROADWAY AND DRAINAGE EXCAVATION

Roadway excavation, filling, spreading and compacting of excavated materials from Sta. 2 + 375 to Sta. 5 + 000. Due to unworkable materials condition caused by rains the materials were not satisfactorily compacted and about 2,000 cu.m. were credited as accomplishment.

Item 106: EXCAVATION FOR STRUCTURES

Excavation for 2 lines of 1.20 M Ø R.C. pipes x 12.0 meters long at Sta. 1 + 412 was done. Estimated volume of excavation accomplished is about 31.68 cubic meters.

Drainage Structures

Item 413-4: 1.20 M Ø REINFORCED CONCRETE PIPE
CULVERTS

STATION	ACCOMPLISHED (Lineal M)
1 + 412	24 (2 lines complete)

V. MATERIALS TESTING AND CONTROL (Secondary and Feeder Roads)

The laboratory and field tests for materials quality control conducted by the Contractor under the supervision of the A & E Engineer were as follows:

Grading Analysis - - - - -	11
Plastic & Liquid Limit Determination - -	10
Laboratory Compaction Test - - - - -	7

Three (3) R.C. pipes of sizes 0.60 M Ø, 0.90 M Ø and 1.20 M Ø, were brought to the Quality Control Section, Project Management Office, for tests.

PHYSICAL ACCOMPLISHMENT (Accumulated as of report period)

SECONDARY AND FEEDER ROADS

Subgrade - - - - -	6.0 Kms.
Subbase - - - - -	3.0 Kms.

COMMENTS AND RECOMMENDATIONS

As of this report the remaining contract time is 281 days, after all time extensions have been considered. The Contractor should resort to a radical crash program with sufficient equipment, continuous supply of required materials and enough manpower to complete the project as programmed.

The rate of accomplishment for this period is 4.13% which is 1.67% higher than the actual average monthly accomplishment of the project for the previous eight (8) months.

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

WEATHER REPORT

<u>Date - 1980</u>	<u>Weather Condition</u>	<u>Remarks</u>	<u>Time Extension Recommended</u>
August 26	Rainy	Unworkable	1 day
27	Cloudy	-do-	1 day
28	Rainy	-do-	1 day
29	Fair	-do-	1 day
30	Good	Workable	None
31	Rainy	-do-	-do-
September 1	Good	-do-	-do-
2	Rainy	Unworkable	1 day
3	Heavy rains	-do-	1 day
4	Fair	-do-	1 day
5	Good	Workable	None
6	Rainy	Unworkable	1 day
7	Cloudy	-do-	1 day
8	Fair	Workable	None
9	Good	-do-	-do-
10	Good	-do-	-do-
11	Good	-do-	-do-
12	Good	-do-	-do-
13	Good	-do-	-do-
14	Good	-do-	-do-
15	Good	-do-	-do-
16	Cloudy	-do-	-do-
17	Fair	-do-	-do-
18	Good	-do-	-do-
19	Fair	-do-	-do-
20	Fair	-do-	-do-
21	Good	-do-	-do-
22	Fair	-do-	-do-
23	Rainy	Unworkable	1 day
24	AM-Fair; PM-Light rain	-do-	1 day
25	Fair	Workable	None

TIME EXTENSION RECOMMENDED THIS MONTH - - - - - 11 days
 TIME EXTENSION RECOMMENDED PREVIOUSLY - - - - - 119 days
 GRAND TOTAL TO DATE - - - - - 130 days

KAMAGONG BUILDERS & DEVELOPERS CORP.
Manguiring Bridge - Tinambac Section
Sub-Project 3, Contract Package No. 2
Bo. Paolbo, Calabanga, Camarines Sur
Field Office

LIST OF PERSONNEL
(As of Sept. 25, 1980)

<u>NAME</u>	<u>DESIGNATION</u>
1. Emilio G. Angeles	Project Manager
2. Amor R. Paguyo	Actg. Project Engineer
3. Remegio A. Espada	Administrative Officer/Personnel
4. Nilda Brila	Bookkeeper
5. Rossana A. Espada	Clerk/Typist
6. Melchor Serrano	Fuel Tender
7. Lorna Villarey	C. E. Aide
8. Eduardo P. Lopez	C. E. Aide
9. Angel M. Aboga	Laboratory Technician
10. Rolando Orcullo	Asst. Purchaser
11. Domingo Buella	Instrumentman I
12. Manuel Santillan	Survey Aide
13. Rustico Cabana	Survey Aide
14. Pedro Collada	Instrumentman II
15. Santos Temporal	Survey Aide
16. Pedro Olivares	Survey Aide
17. Zocimo Arandia	Bulldozer Operator
18. Lemuel Moreno	Bulldozer Operator
19. Benjamin Pura	Bulldozer Operator
20. Flaviano Gamboa	Bulldozer Operator
21. Alfredo Calma	Payloader Operator
22. Rosalino Toledo	Payloader Operator
23. Marciano Legaspi	DT-Driver
24. Rodolfo Ansay	DT-Driver
25. Dante Deo	DT-Driver
26. Felipe Berina	DT-Driver
27. Leonardo Andal	Service Driver
28. Pedro Custorio	Dynapac Operator
29. Esperidion Laurea	Grader Operator
30. George Maglasang	Chief Mechanic
31. Bernardo de Sena	Mechanic
32. Rogelio Rebanco	Mechanic
33. Ceriaco Dequito	Mechanic
34. Pedro Ducta	Mechanic

(Cont'd)

35. Gregorio Aguilar	Mechanic
36. Petronio Amaro	Welder
37. Petrosenio Evangelista Jr.	Welder
38. Oswaldo Pesana	Electrician
39. Deogenes Hitta	Fuel Tender (Field)
40. Edmundo Baguio	Helper
41. Paquito Daz	Foreman/RCBC Team
42. Manuel Magbanua	Leadman
43. Antonio Baguio	Laborer
44. Fermin Molina	Leadman-Fabrication
45. Roberto Dawal	Leadman-Installation
46. Rodolfo Sepeda	Steelman
47. Jerry Granda	Steelman
48. Reymundo Paular	Laborer
49. Ernesto San Andres	Steelman
50. Reynaldo Paular	Steelman
51. Rodolfo Careño	Carpenter
52. Ronie Arellano	Laborer
53. Medec Hayen	Laborer
54. Thonet Ducta	Laborer
55. Lugovico Gutierrez	Laborer
56. Julian Curia	Laborer
57. Ellazar Andal	Laborer
58. Joseph Calleja	Laborer
59. Ernesto Paular	Laborer
60. Leonardo Buenaventura	Laborer
61. Juanito de los Reyes	Laborer
62. Teofilo Macaraig	Laborer
63. Venancio Dote	Laborer
64. Ramon Remalla	Laborer
65. Vivencio Paghanapon	Laborer
66. Antonio Collada	Carpenter (Office)

One (1) Security Guard from ARFA Security Agency.

Submitted by:

(SGD.) EMILIO G. ANGELES
Project Manager

KAMAGONG BUILDERS & DEVELOPERS CORP.
 Manguring Bridge-Tinambac Section
 Sub-Project 3, Contract Package No. 2
 Bo. Paolbo, Calabanga, Camarines Sur
 Field Office

LIST OF EQUIPMENT
 (As of Sept. 25, 1980)

<u>TYPE</u>	<u>MODEL</u>	<u>LOCATION</u>	<u>SERIAL NO.</u>
1. Bulldozer	Cat. D7G	Const. Site	65VI791
2. Bulldozer	Cat. D6C	-do-	695U499
3. Bulldozer	Komatsu D80A	-do-	14257
4. Wheel Loader	Cat. 9C0	-do-	52-39891
5. Wheel Loader	Cat. 920	-do-	
6. Wheel Loader	Kom. J60	Shop Idle	509566
7. Vibro Roller	Dynapac CA25	Const. Site	497666
8. Road Roller	Kato DA 120	Shop Idle	505006
9. Motor Grader	Cat. 12G	Const. Site	61M5588
10. Transit Mixer	Hino SM-100	Shop Idle	IK - 10
11. Transit Mixer	Hino SM-100	-do-	IK - 12
12. Transit Mixer	Ford	-do-	802-1747
13. Dump Truck	Isuzu SPZ	Const. Site	14392
14. Dump Truck	Isuzu SPZ	-do-	1956241
15. Dump Truck	Isuzu SPZ	-do-	1749056
16. Dump Truck	Isuzu SPZ	-do-	12652
17. Crane	Lorain	-do-	
18. Service Vehicle	Toyota KF-101	-do-	3K-7600232
19. Weapon Carrier	Dodge #5	Shop Idle	
20. Sheepfoot Roller	Two type double drum	Const. Site	
21. Dump Truck	IH-UD 4	Shop Idle	

Submitted by:

(SGD.) EMILIO G. ANGELES
 Project Manager

NOTE: The present available equipment
 in the project site is 33.93%
 based on the number of minimum
 equipment required of the Contractor
 for this project.

SECONDARY ROAD	_____	10.923 KM.
FEEDER ROAD 303	_____	<u>6.900</u> KM.
TOTAL LENGTH	_____	17.823 KM.

ITEM NO.	D E S C R I P T I O N
1.60.1	FORCE ACCOUNT WORK (MAINTENANCE & REPAIR OF DETOUR RD. & SPILLWAY)
1.60.2	MAINTENANCE AND REPAIR OF LAB AND OFFICE FOR ENGINEER
1.60.5	OFFICE EQUIPMENT FOR ENGINEER
100	CLEARING AND GRUBBING
103 2	REMOVAL OF CULVERTS
105 1	ROADWAY AND DRAINAGE EXCAVATION (WASTE)
105 3	ROADWAY AND DRAINAGE EXCAVATION
106 1	EXCAVATION FOR STRUCTURES (DRAINAGE)
107	B O R R O W
108	AGGREGATE SUBBASE
110	FOUNDATION FILL
111	OVERHAUL (300 M. F.H.D.)
200	GRAVEL BASE COURSE GRADING "B" (SHOULDERING)
203 2	SOIL ASPHALT BASE COURSE
305 1	COVER MATERIAL FOR BITUMINOUS SEAL COAT
305 3	EMULSIFIED ASPHALT FOR B.S.
316	PORTLAND CEMENT CONCRETE PAVEMENT 0.20 M. THICK
405 1	CONCRETE CLASS "A" (FOR DRAINAGE and MISC. STRUCTURES)
406	REINFORCING STEEL (FOR DRAINAGE and MISC. STRUCTURES)
412	STONE MASONRY (FOR DRAINAGE and MISC. STRUCTURES)
413 2	0.60 M. DIA REINFORCED CONCRETE PIPES
413 3	0.90 M. DIA. REINFORCED CONCRETE PIPES
413 4	1.20 M. DIA. REINFORCED CONCRETE PIPES
500 1	RIPRAP AND GROUTED
500 2	RIPRAP AND GROUTED (LOOSE OR DUMP)
510	R.O.W. MARKERS
SPL	CONCRETE BARRIERS
T O T A L S	

D-11-1

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BEST AVAILABLE DOCUMENT

START OF COST
MARCH 12, 1968

	ESTIMATED % WEIGHT		QUANTITY	UNIT COST	AMOUNT	M/F	
	SCHEDULED	ACCOMPLISHED					
		ITEM					PROJECT
VAY	0.376	20.00		LUMP SUM	60,000.00		
	0.132	23.37	6 Mos	LUMP SUM	21,000.00		
	0.098	20.00		LUMP SUM	15,695.30		
	0.038	20.15	1.35 Ha.	4,500.00	6,075.00		
	0.069	26.08	23 Ea.	480.00	11,040.00		
	5.466	45.32	54,542 Cu. M.	16.00	872,672.00		
	27.649	71.61	169,779 Cu. M.	26.00	4,414,254.00		
	0.238	10.45	1,521 Cu. M.	25.00	38,025.00		
	3.758	47.71	20,000 Cu. M.	30.00	600,000.00		
	9.831	9.94	39,237 Cu. M.	40.00	1,569,480.00		
	0.056	10.63	186 Cu. M.	48.00	8,928.00		
	0.105	11.85	55,668 Sta. M.	0.30	16,700.40		
	0.345		1,100 Cu. M.	50.00	55,000.00		
	0.483		1,640 Sq. M.	47.00	77,080.00		
	0.007		10 Cu. M.	110.00	1,100.00		
	0.045		3 M. T.	2,400.00	7,200.00		
	44.554		74,563 Sq. M.	95.40	7,113,310.20		
	2.063		445 Cu. M.	740.00	329,300.00		
	0.900	11.69	20,524 Kgs.	7.00	143,668.00		
	0.046		30 Cu. M.	250.00	7,500.00		
	0.669	12.22	305 L. M.	350.00	106,750.00		
	0.883	24.76	235 L. M.	600.00	141,000.00		
	1.313	32.62	233 L. M.	900.00	209,700.00		
	0.058		58 Cu. M.	160.00	9,280.00		
	0.092		140 Cu. M.	105.00	14,700.00		
	0.182		674 Ea.	43.00	28,982.00		
	0.544		560 Ea.	155.00	86,800.00		
	100.00				15,965,239.90		

THIRTY (30) DAY PERIODICAL ACCOMPLISHMENT

2,736.00

CUMULATIVE TOTAL AMOUNT

THIRTY (30) DAY PERIODICAL ACCOMPLISHMENT W/O ITEMS 203-2; 305-1; 305-3 & 316

2,736.00

CUMULATIVE TOTAL AMOUNT

D-11-2

MISSING PAGE

NO. (D-11) 7-11

UTILIZED COMPLETED ACCOMPLISHMENT
(As of Sept. 25, 1960)

Manguring Bridge-Tinambac Section

Sheet 1 of 2

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 AND REPAIR OF DETOUR ROADS AND SPILLWAY)	-	LUMP SUM	P 60,000.00	20.00	-	P 12,000.00
1.60.2	MAINTENANCE AND REPAIR OF LABORATORY AND OFFICE FOR ENGINEER	6 MO.	LUMP SUM	21,000.00	33.33	-	7,000.00
1.60.5	OFFICE EQUIPMENT FOR ENGINEER		LUMP SUM	15,695.30	100.00	-	15,695.30
100	CLEARING AND GRUBBING	1.35 HA.	4,500.00/HA.	6,075.00	48.15	.65 HA.	2,925.00
103-2	REMOVAL OF CULVERTS (RCPC)	.23 EA.	480.00 EA.	11,040.00	25.08	6 EA.	2,880.00
105-1	ROADWAY AND DRAINAGE EXCAVATION (WASTE)	54,542 CU.M.	16.00/CU.M.	872,672.00	65.32	35,626 CU.M.	570,016.00
105-3	ROADWAY AND DRAINAGE EXCAVATION	169,779 CU.M.	26.00/CU.M.	4,414,254.00	71.66	121,672 CU.M.	3,163,472.00
106-1	EXCAVATION FOR STRUCTURES	1,521 CU.M.	25.00/CU.M.	38,025.00	19.45	295.96 CU.M.	7,399.00
107	BORROW	20,000 CU.M.	30.00/CU.M.	600,000.00	47.71	9,542 CU.M.	286,260.00
108	AGGREGATE SUBBASE	39,237 CU.M.	40.00/CU.M.	1,569,480.00	9.94	3,900 CU.M.	156,000.00
110	FOUNDATION FILL	186 CU.M.	48.00/CU.M.	8,928.00	12.63	23.49 CU.M.	1,127.52
111	OVERHAUL (300 M FHD)	55,668 STA.M.	0.30/STA.M.	16,700.40	75.85	42,225 STA.M.	12,667.50
200	GRAVEL BASE COURSE GRADING "B" SHOULDERING	1,100 CU.M.	50.00/CU.M.	55,000.00	0	0	0
203-2	SOIL ASPHALT BASE COURSE	1,640 SQ.M.	47.00/SQ.M.	77,080.00	0	0	0
305-1	COVER MATERIALS FOR BITUMINOUS SEAL COAT	10 CU.M.	110.00/CU.M.	1,100.00	0	0	0
305-3	EMULSIFIED ASPHALT FOR BST	3 MT.	2,400.00/MT.	7,200.00	0	0	0
316	PORTLAND CEMENT CONCRETE PAVEMENT	74,563 SQ.M.	95.40/SQ.M.	7,113,310.00	0	0	0
405-1	CONCRETE CLASS "A" (FOR DRAINAGE AND MISCELLANEOUS STRUCTURES)	445 CU.M.	740.00/CU.M.	329,300.00	0	0	0
406	REINFORCING STEEL (DRAINAGE AND MISCELLANEOUS STRUCTURES)	20,524 KGS.	7.00/KG.	143,668.00	11.69	2,400 KGS.	16,800.00
412	STONE MASONRY (DRAINAGE AND MISCELLANEOUS STRUCTURES)	30 CU.M.	250.00/CU.M.	7,500.00	0	0	0

ANNEX "D-D"

ITEMIZED COMPUTED ACCOMPLISHMENT
(As of Sept 3, 1980)

Manguring Bridge-Tinambac Section

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITIES	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage Based on bid Quantities	Quantity/Volume	Value
413-2	0.60 M. DIA. REINFORCED CONCRETE PIPE CULVERT	305 L.M.	350.00	106,750.00	6.23	19 L.M.	6,650.00
413-3	0.90 M. DIA. REINFORCED CONCRETE PIPE CULVERT	235 L.M.	600.00	141,000.00	24.76	58.20 L.M.	34,920.00
413-4	1.20 M. DIA. REINFORCED CONCRETE PIPE CULVERT	233 L.M.	900.00	209,700.00	32.62	76 L.M.	68,400.00
500-1	GROUNDED AND RIPRAP	58 CU.M.	160.00	9,280.00	0	0	0
500-2	GROUNDED AND RIPRAP (LOOSE OR DUMP STONE)	140 CU.M.	105.00	14,700.00	0	0	0
510	RIGHT-OF-WAY MARKERS	674 EA.	43.00	28,982.00	0	0	0
SPL	CONCRETE BARRIERS	560 EA.	155.00	86,800.00	0	0	0
TOTAL				<u>15,965,239.90</u>			<u>14,364,212.32</u>

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

MONTHLY CONSTRUCTION REPORT

For

Sub-project 2

DANAO-PASACAO ROAD
Secondary Road

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

NO. 17

AS OF SEPTEMBER 25, 1980

TECHNIKS GROUP CORPORATION

PROGRESS REPORT NO. 16
September, 1980

PROJECT : Danao - Pasacao Road
CONTRACTOR : CBT CONSTRUCTION & EQUIPMENT CORPORATION

I. GENERAL

This seventeenth periodic report covers the progress of the construction activities of the contractor during the month of September, 1980.

The construction activities were as follows:

1. Construction survey
2. Subbase operation
3. Preparation and installation of forms and rebars for the construction of RCBC, Odicon bridge and concrete copings of timber trestle bridges.
4. Driving of bearing piles
5. Cement concrete pouring of miscellaneous structures
6. Construction of grouted riprap
7. Sampling and quality control testing of construction materials.

II. WEATHER

The weather condition was generally fair, hence no suspension order due to bad weather was issued to the contractor during the month.

III. MOBILIZATION

With the completion of pile driving and earthwork operations, the contractor had effected the withdrawal of the following equipment during the periods:

1. One crane with delmag hammer
2. One payloader
3. One grader
4. One bulldozer

It is believed that the remaining equipment in the project can still sustain the present construction activities excluding item 316.

The contractor had brought about a minor change in the "List of Personnel" with the resignation of their materials engineer as shown in Annex "E-A".

Laboratory equipment requirement as specified in the contract has not been complied yet as of this period.

IV. PROGRESS OF WORK

The overall percent accomplishment of the contractor as of this month is 51.21 compared with the percent time elapsed of 69.07% based on the adjusted time frame due to recommended time extensions.

ROADS AND DRAINAGE STRUCTURES

A. Secondary Roads:

CONSTRUCTION SURVEY:

1. Checking of subbase elevation
2. Preparation of As-Built Plan is in progress.

EARTHWORK:

No activity was reported during the month.

AGGREGATE SUBBASE:

ITEM 108 :

Sectional corrections of aggregate subbase layer affected by heavy rains were undertaken by the contractor during the report period.

BRIDGE AND DRAINAGE STRUCTURES:

ITEM 405 : CONCRETE CLASS "A"

4,804 cu.m. of cement concrete were poured for the construction of miscellaneous structures while 22,344 cu.m. also of this item were used in the construction of deck girders of Odicon Bridge, first span.

ITEM 406 : REINFORCING STEEL

18.18 kilos of reinforcing steel were incorporated in the construction of said miscellaneous structures during the month.

ITEM 407 : STRUCTURAL STEEL

Undertaken by the contractor during the period under this item were 205.55 kilos utilized in the construction of the superstructure of Odicon Bridge.

ITEM 500 : GROUTED RIPRAP

A total of 543.927 cu.m. of riprap were accomplished within this period.

B. Feeder Roads:

B.1 FEEDER ROAD 201 (Itolan - Bahay Coco)

CONSTRUCTION SURVEY:

1. Preparation of the As-Built Plan is in progress.

DRAINAGE STRUCTURES:

ITEM 406 : REINFORCING STEEL

The only reported accomplishment during this period was the cutting, bending and placing of 500 kilos of reinforcing steel intended for the construction of RCBC.

B.2 FEEDER ROAD 202 (Pasacao - Caranan - Macad Road)

CONSTRUCTION SURVEY:

1. Preparation of As-Built Plan is in progress.

BRIDGE AND DRAINAGE STRUCTURES:

ITEM 402-2.5 : PRECAST CONCRETE PILE

The only accomplishment within the period were the driving of 10 bearing piles at timber trestle bridge # 1 at station 3 + 866.60. Preparation of forms and placing of concrete coping of timber trestle bridges # 3 & # 4 were also undertaken by the contractor.

B.3 FEEDER ROAD 203 (Pasacao Port Road)

No construction activity was reported during the month.

V. SUMMARY OF ACCOMPLISHMENT OF MAJOR ITEMS (Accumulated as of this period)

Secondary Road:

ROAD:

Subgrade:

ITEM 105 : ROADWAY AND DRAINAGE EXCAVATION

2.80 km. - completed

0.20 km. - partial

ITEM 107 : BORROW

6.00 km. - completed

0.47 km. - partial

Subbase:

ITEM 108 : AGGREGATE SUBBASE

5.00 km. - completed

3.814 km. - partial

BRIDGE: (Odicon)

Substructure:

Two (2) test piles were already driven

All bearing piles of Abut "A" & "B" and pier were already driven.

Abutment "A" & "B" were already constructed.

Footing, shaft and coping of pier were already completed.

Deck girder, first span were already poured and constructed.

Slab is ready for pouring.

OTHER DRAINAGE STRUCTURES:

ITEM 413 : REINFORCED CONCRETE PIPE CULVERTS

<u>Item No.</u>	<u>Description</u>	<u>% Accomplishment</u>
413 - 2	0.60 M. DIA. RCP	100 %
413 - 3	0.90 M. DIA. RCP	89.44 %
413 - 4	1.20 M. DIA. RCP	100 %

Feeder Roads :

FEEDER ROAD 201 (Itolan - Bahay Coco)

ROAD:

Subgrade:

ITEM 105 : ROADWAY AND DRAINAGE EXCAVATION

2.20 km. - completed

ITEM 107 : BORROW

2.32 km. - completed

Surfacing:

ITEM 108 : AGGREGATE SUBBASE

1.40 km. - completed

3.00 km. - partial

BRIDGE : N O N E

OTHER DRAINAGE STRUCTURES:

ITEM 413 : REINFORCED CONCRETE PIPE CULVERTS

<u>Item No.</u>	<u>Description</u>	<u>% Accomplishment</u>
413 - 2	0.60 M. DIA. RCP	100 %
413 - 3	0.90 M. DIA. RCP	100 %
413 - 4	1.20 M. DIA. RCP	100 %

FEEDER ROAD 202 (Pasacao - Caranan - Macad Road)

ROAD:

Subgrade:

ITEM 103 : ROADWAY AND DRAINAGE EXCAVATION

4.10 km. - completed

ITEM 107 : BORRO:

4.50 - completed

Surfacing:

ITEM 108 : AGGREGATE SUBBASE

8.60 km. - partial

BRIDGE : Timber Trestle (#1, #2, #3, & #4)

Substructure:

9 test piles were driven for bridge #1, #2, #3, & #4
10 bearing piles were already driven at # 1
10 bearing piles were already driven at # 2
7 bearing piles were already driven at # 3
18 bearing piles were already driven at # 4
Concrete pile bents of Bridge #2 were completed

OTHER DRAINAGE STRUCTURE:

ITEM 413 : REINFORCED CONCRETE PIPE CULVERTS

<u>Item No.</u>	<u>Description</u>	<u>% Accomplishment</u>
413 - 2	0.60 M. DIA. RCP	100 %
413 - 3	0.90 M. DIA. RCP	100 %
413 - 4	1.20 M. DIA. RCP	100 %

FEEDER ROAD 203 (Pasacao Port Road)

ROAD:

Subgrade:

ITEM 105 : ROADWAY AND DRAINAGE EXCAVATION

0.80 km. - completed

ITEM 107 : BORROW

1.00 km. - completed

Surfacing:

ITEM 108 : AGGREGATE SUBBASE

1.80 km. - partial

DRAINAGE STRUCTURES:

ITEM 413 : REINFORCED CONCRETE PIPE CULVERTS

<u>Item No.</u>	<u>Description</u>	<u>% Accomplishment</u>
413 - 3	0.90 M. DIA. RCP	100 %

VI. MATERIALS TESTING AND CONTROL (Secondary and Feeder Roads)

The laboratory and field tests for materials quality control conducted by the contractor during the month under the supervision of the A & E Materials Engineer were as follows:

Grading Analysis - - - - -	11
Plastic and Liquid Limit Determination - - - - -	11
Laboratory Compaction Test - - - - -	7
Field Density Test - - - - -	16
Concrete Cylinder Samples Taken - - -	4 sets
Concrete Cylinder Samples Tested - - -	6 sets

COMMENTS AND RECOMMENDATION:

An updated revision of the bar schedule of work has been made incorporating therein the recommended time extensions and still the contractor has an accrued slippage of 18.28% (-) considering all contract items.

As can be gaged from the summary of project status (shown on the first pages of this construction report) the contractor has been noted to have satisfactory performance with reference to the feeder road sections which do not involve Item 316. It is only on the secondary road that the contractor has logged behind considerably which may be attributed to their deliberate defement of activity on Item 316 on the firm beleif that such item can be deleted without prejudice on their part. With Item 316 excluded, the attached revised bar chart will reveal that the contractor is well ahead of schedule.

Unfortunately, both their letters requesting price escalation dated December 6, 1979 and deletion of Item 316 dated May 15, 1980 were returned by the Project Manager, PMO for reasons that funding for the purpose is uncertain and only termination at the usable level of Item 108 can be recommended respectively.

It is however believed that the contractor can still manage to complete all items of work (Item 316 included) within the revised time frame which is much earlier than October, 1981 (USAID target date) if only he can be entitled to price adjustment especially on PCCP. At a pouring rate of 125 meters, half lane (3.05 M. width), there will be no reason why the contractor can not deliver the satisfactory completion of the project, now that they will be concentrating on Item 316 alone.

PROJECT : DANA O - PASA C A O ROAD
(Sub-project No. 2)

WEATHER REPORT

<u>DATE - 1980</u>	<u>WEATHER CONDITION</u>	<u>REMARKS</u>	<u>TIME EXTENSION RECOMMENDED</u>
August 26	Sunny to fair	Workable	None
27	Cloudy the whole day	-do-	-do-
28	Cloudy with intermitent rain- showers in the afternoon	-do-	-do-
29	Cloudy the whole day	-do-	-do-
30	Cloudy to rainy in late afternoon	-do-	-do-
31	Cloudy to rainy in late afternoon	-do-	-do-
September 1	Fair to sunny	-do-	-do-
2	Fair to cloudy with light rain- showers in the afternoon	-do-	-do-
3	Fair to cloudy	-do-	-do-
4	Sunny to fair	-do-	-do-
5	Sunny to fair	-do-	-do-
6	Sunny to fair	-do-	-do-
7	Fair	-do-	-do-
8	Fair	-do-	-do-
9	Fair to cloudy	-do-	-do-
10	Cloudy the whole day	-do-	-do-
11	Cloudy to fair	-do-	-do-
12	Sunny to fair	-do-	-do-
13	Cloudy with rainshowers in the afternoon	-do-	-do-
14	Fair to cloudy	-do-	-do-
15	Fair to cloudy with intermitent rainshowers in the afternoon	-do-	-do-
16	Cloudy to fair	-do-	-do-
17	Cloudy to fair	-do-	-do-
18	Sunny	-do-	-do-
19	Sunny to fair	-do-	-do-
20	Fair to cloudy	-do-	-do-
21	Fair	-do-	-do-
22	Fair to cloudy with light rain- showers in the afternoon	-do-	-do-
23	Fair to cloudy	-do-	-do-
24	Fair to cloudy	-do-	-do-
25	Cloudy to fair	-do-	-do-

TIME EXTENSION RECOMMENDED PREVIOUSLY - 38 days
 TIME EXTENSION RECOMMENDED THIS MONTH - None
 GRAND TOTAL TO DATE - 38 days

CBT CONSTRUCTION & EQUIPMENT CORPORATION
 DANA O - PASA C A O ROAD
 Odicon, Pasacao, Cam. Sur

LIST OF PERSONNEL
 (As of September 25, 1980)

<u>N A M E S</u>	<u>D E S I G N A T I O N</u>
1. CONRADO S.P. GONZALES	Project Manager
2. ALEXANDER S. GUZMAN	Asst. Project Manager (Operation) (Actg. Materials Engineer)
3. BENJAMIN O. SY	Asst. Project Manager (Administration)
4. MANUEL ALETA	Project Engineer
5. NESTOR S. BALLANO	Geodetic Engineer
6. CESAR O. HERNANDEZ	C E Aide
7. RAMON G. HIPOLITO	Timekeeper
8. JOSE V. AGUILAR	Purchaser / Warehouseman
9. PORFIRIO DACIAN	Warehouseman
10. MAX ROBLEADO JR.	Draftsman
11. JOSE R. BRION	Laboratory Aide
12. MARCELINO ROMUALDO	Laboratory Aide
13. NANCY A. LARACAS	Clerk / Typist
14. LORNA G. BERNAL	Clerk / Typist
15. ALEJANDRO U. MANCENIDO	Materials Checker
16. PABLO PEREZ	Foreman
17. POLICARPIO PALISOC	Foreman
18. NICANOR MEDINA	Foreman
19. RODOLFO BUAN	Foreman
20. OPERATORS	- Fifteen (15)
21. DRIVERS	- Twelve (12)
22. MECHANICS	- Four (04)
23. ELECTRICIAN	- One (01)
24. WELDER	- One (01)
25. SERVEY AIDES	- Five (05)
26. LABORERS	- Sixty (60)

SUBMITTED BY:

(SGD.) CONRADO S.P. GONZALES
 Project Manager

OBT CONSTRUCTION & EQUIPMENT CORPORATION
DANA O - PASACAO ROAD
Odicon, Pasacao, Cama Sur

LIST OF EQUIPMENT
(As of September 25, 1980)

<u>NAME OF EQUIPMENT</u>	<u>SERIAL NUMBER</u>	<u>DATE OF ARRIVAL</u>
1. Komatsu Bulldozer	NH-220-0468M#331	May 15, 1979
2. D7-3-T Bulldozer	AK-3-948	July 2, 1979
3. Dump Truck #6	E 120-209584	July 18, 1979
4. Dump truck #7	DH-100-441766	August 20, 1979
5. Dump truck #8	DH-100-403857	August 30, 1979
6. Dump truck #9	DH-100-411671	October 5, 1979
7. Dump truck	TD - 40- 134754	June 30, 1979
8. Dump truck	TD - 40-1339730	June 30, 1979
9. Service truck	TD-50-1228325	September 20, 1979
10. Service truck	TD-50-1235025	September 30, 1979
11. TCM-75 Payloader	DA 640-524768	May 25, 1979
12. JCM-Komatsu Payloader	VN-65G-0728	July 9, 1979
13. Road Roller (Sakai)	DA-120-515055	September 26, 1979
14. Road Roller (Watanabe)	413250	September 14, 1979
15. Pneumatic Roller	DA-120-517971	July 13, 1979
16. Road Grader (Gallion)	4A-3320-471R063	August 10, 1979
17. Road Grader (Mitsubishi)	127539	October 12, 1979
18. Toyota Tamaraw	3K-714741	June 1, 1979
19. Toyota Land Cruiser	366346	May 18, 1979
20. Air Compressor	DA-220-519254	June 27, 1979
21. Welding Machine	J-806279	June 14, 1979
22. One-bagger mixer	-	June 5, 1979
23. One-bagger mixer (2) units	-	August 2, 1979
24. Two-bagger mixer (2) units	-	September 5, 1979
25. Concrete vibrator	-	June 15, 1979
26. Concrete vibrator	-	September 30, 1979
27. Water Pump	P-40	July 18, 1979
28. Water Pump	P-40	September 27, 1979
29. Road Roller	DA-220-503436	November 8, 1979

Percentage of the available units
of equipment in relation with the
total minimum equipment requirement - 50.87%

SUBMITTED BY:

(SGD.) CONRADO S.P. GONZALES
Project Manager

SECONDARY ROAD: 8.883 KMS.
 FEEDER ROADS:
 FR 201 4.523 KMS.
 FR 202 8.687 KMS.
 FR 203 1.851 KMS.
 NET LENGTH 23.944 KMS.

1.60.1	FORCE ACCOUNT WORK
1.60.2	PROVIDE AND MAINTAIN LABORATORY & OFFICE FOR ENGINEER
1.60.3	PROVIDE ONE (1) UTILITY VEHICLE
1.60.5	LABORATORY AND OFFICE EQUIPMENT
100	CLEARING AND GRUBBING
103-2	REMOVAL OF BRIDGES <small>SECONDARY ROAD & FR. 202, 203 FR. 201</small>
103-2	REMOVAL OF CULVERTS (RCP)
105	ROADWAY AND DRAINAGE EXCAVATION
106-1	EXCAVATION FOR STRUCTURES (DRAINAGE)
106-2	EXCAVATION FOR STRUCTURES (BRIDGE, BELOW O.W.L.)
107	BORROW
108	AGGREGATE SUBBASE
110	FOUNDATION FILL
111	OVERHAUL (300-M. FREEHAUL)
316-1	PORTLAND CEMENT CONCRETE PAVEMENT, 0.20 M. THICK
401	TIMBER (DETOUR) TRESTLE, (SUPERSTRUCTURE ONLY ON CONCRETE PILE BENTS)
402-25	PRECAST CONCRETE PILES
402-25A	CONCRETE TEST PILES (FURNISH AND DRIVE)
403	CONCRETE RAILINGS
405	CONCRETE CLASS "A" (HEADWALL & MISC. STRUCTURES)
405-1	CONCRETE CLASS "A" (BRIDGE)
406	REINFORCING STEEL (BRIDGE & MISC. STRUCTURES)
407	STRUCTURAL STEEL (ODICON BRIDGE)
409-21	TIMBER SHEET PILES (T & G 4" x 12" x 10')
412	STONE MASONRY
413-2	0.60 M. DIA. REINF. CONCRETE PIPE
413-3	0.90 M. DIA. REINF. CONCRETE PIPE
413-4	120 M. DIA. REINF. CONCRETE PIPE
500-1	RIPRAP AND GROUTED (RIVER BANK PROTECTION)
500-2	RIPRAP AND GROUTED (CANAL PROTECTION)
510	R - O - W MARKERS
TOTAL	

E-12-1

DATE OF BIDDING
APRIL 26, 1978

MAY 18, 1979
START OF CONTRACT

	ESTIMATED % WT.			QUANTITY	UNIT COST	AMOUNT PER BID SCHEDULE	MAY 8
	SCHEDULED	ACCOMPLISHED					
		ITEM	PROJ.				
	0.3438	25	.08595		LUMP SUM	40,000.00	
GINEER	0.3653	91.17	.3530	17 MOS.	2,500.00	42,500.00	
	0.2578	100	.2578	1	LUMP SUM	30,000.00	
	0.6273	50	.31365		LUMP SUM	72,985.00	
R. 202, 205	0.1588	100	.1588	4.62 HA.	4,000.00	18,480.00	
	0.0859			2 EA.	5,000.	10,000.00	
	0.4882	96.87	.4777	48 EA.	1,166.66	56,800.00	
	4.2884	97.55	4.1832	62,370 CU.M.	8.00	498,960.00	
	0.7147	95.73	.6842	5815 CU.M.	14.30	83,154.50	
W.L.)	0.0279	90.00	.02511	30 CU.M.	65.00	3,250.00	
	15.2249	99.27	15.1144	74,430 CU.M.	23.80	1,771,434.00	
	14.6319	73.03	10.6860	47,290 CU.M.	36.00	1,702,440.00	
	0.3125	90.01	.28129	1,010 CU.M.	36.00	36,360.00	
	0.0769	67.85	0.0522	7,460 STAM.	1.20	8,952.00	
CK	37.8773			56,280 CU.M.	78.30	4,406,724.00	
Y ON							
	1.4439			14 SPAN	12,000.00	168,000.00	
	3.3017	100.00	3.3017	784 LM.	490.00	384,160.00	
	0.9927	100.00	0.9927	11 EA.	10,500.00	115,500.00	
	0.0878			58 LM.	182.50	10,220.00	
JRES)	6.9612	74.36	5.2583	970 CU.M.	835.00	809,950.00	
	1.5817	40.99	0.7303	220.4 CU.M.	835.00	184,034.00	
)	3.0389	72.15	2.2747	88,394 KG.	4.00	353,576.00	
	0.0773	32.74	0.0253	640 KG.	15.00	9,600.00	
	0.2703			142 LM.	221.50	31,453.00	
	0.1237			56 CU.M.	257.00	14,392.00	
	0.8387	100.00	0.8387	456 LM.	214.00	97,584.00	
	1.8358	95.28	1.7491	445 LM	480.00	213,600.00	
	1.8530	100.00	1.8530	280 LM	770.00	215,600.00	
N)	1.4759	59.18	0.8408	954 CU.M.	180.00	171,720.00	
	0.3481	100	0.3481	225 CU.M.	180.00	40,500.00	
	0.2853	87.20	.24878	664 EA.	50.00	33,200.00	

51.21%

THIRTY (30) DAYS PERIODICAL ACCOMPLISHMENT	26
THIRTY (30) DAYS PERIODICAL ACCOMPLISHMENT W/OUT ITEM 316	
CUMMULATIVE TOTAL AMOUNT	
CUMMULATIVE TOTAL AMOUNT W/OUT ITEM 316	

ENT

E-12-6

TENTATIVE EXPIRY DATE
MARCH 31, 1981

TENTATIVE EXPIRY DATE
MARCH 31, 1981 WITH C.O.#1

	NOV. 25 588	DEC. 25 588	JAN. 25 619	FEB. 25 650	
					15M
					14M
					13M
					12M
					11M
					10M
					9M
					8M
					7M
					6M
					5M
					4M
					3M
					2M
					1M
					0M
82.56	687,020.93	484,036.05	346,272.87	349.941	
33.51	427,901.88	224,817.00	87,053.82	90,721.95	
558.50	38,454,379.00	10,958,515.00	11,286,187.00	11,635,128.50	
1010.40	6,725,812.20	6,960,629.20	7,137,653.60	7,228,404.50	

ITEMIZED COMPUTED ACCOMPLISHMENT
As of September 25, 1980

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-
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DANAO - PASAÑO ROAD (Sub-project No. 2)

Sheet 1 of 2

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage based on bid quantities	Quantity/Volume	Value
	GENERAL						
1.60.1	FORCE ACCOUNT WORK	-	P Lump Sum	P 40,000.00	25	10,000	P 10,000.00
1.60.2	PROVIDE AND MAINTAIN LABORATORY AND OFFICE FOR ENGINEER	17 mos.	2,500.00	42,500.00	91.17	15.5	38,750.00
1.60.3	PROVIDE ONE (1) UNIT UTILITY VEHICLE	1	Lump Sum	30,000.00	100	1	30,000.00
1.60.5	LABORATORY AND OFFICE EQUIPMENT	-	Lump Sum	72,985.00	50	50	36,492.50
	ROADS, BRIDGES AND DRAINAGE STRUCTURES (Secondary and Feeder Roads)						
100	CLEARING AND GRUBBING	4.62 ha.	4,000.00	18,480.00	100	100	18,480.00
103-1	REMOVAL OF BRIDGES	2 ea.	5,000.00	10,000.00	-	-	-
103-2	REMOVAL OF CULVERTS (RCP) Sec. FR.202, 203	48 ea.	975	46,800.00	96.87	3 (50%)	-
103-2	REMOVAL OF CULVERTS (RCP) FL. 201	5 ea.	2,000.00	10,000.00	100	45 (100%)	45,337.50
105	ROADWAY AND DRAINAGE EXCAVATION	67,370 cu.m.	8.00	498,960.00	97.55	100	10,000.00
105-1	EXCAVATION FOR STRUCTURE (DRAINAGE)	5,815 cu.m.	14.30	83,154.50	95.73	60,840	486,720.05
105-2	EXCAVATION FOR STRUCTURE (BRIDGE BELOW ORDINARY WATER LEVEL)	50 cu.m.	65.00	1,950.00	90	5,566.44	79,600.09
107	BORRO	74,430 cu.m.	23.80	1,771,434.00	99.27	45	2,925.00
108	AGGREGATE SUBBASE	47,290 cu.m.	36.00	1,702,440.00	73.02	73,680	1,833,578.00
110	FOUNDATION FILL	1,010 cu.m.	36.00	36,360.00	90.01	33,537	1,207,332.00
111	OVERHAUL (300-M. FREEHAUL)	7,460 sta.m.	1.20	8,952.00	67.85	879.20	31,651.20
316-1	PORTLAND CEMENT CONCRETE PAVEMENT, 0.20 M. (8") THICK	56,280 sq.m.	78.30	4,406,724.00	-	5,062	6,074.40
401	TIMBER (DETOUR) TRESTLE (SUPERSTRUCTURE ONLY OF CONCRETE PILE BENTS)	14 spans	12,000.00	168,000.00	-	-	-
402-2.5	PRECAST CONCRETE PILE	784 L.M.	490.00	384,160.00	100	784	384,160.00
402-2.5A	CONCRETE TEST PILES (FURNISH & DRIVE)	11 ea.	10,500.00	115,500.00	100	11	115,500.00
403	CONCRETE RAILINGS	56 L.M.	182.50	10,220.00	-	-	-
405	CONCRETE CLASS "A" (HEADWALL AND MISCELLANEOUS STRUCTURES)	970 cu.m.	835.00	809,950.00	74.36	721.304	602,288.84
405-1	CONCRETE CLASS "A" (BRIDGE)	220.40 cu.m.	835.00	184,034.00	40.99	90.344	75,437.24
406	REINFORCING STEEL (BRIDGES AND MISC. STRUCTURES)	88,394 kg.	4.00	353,576.00	72.15	63,773.125	255,092.50

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ITEMIZED COMPUTED ACCOMPLISHMENT
As of September 25, 1980

DANA0 - PASACAO ROAD

Sheet 2 of 2

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT COST	AMOUNT	COMPUTED ACCOMPLISHMENT		
					Percentage based on bid quantities	Quantity/Volume	Value
407	STRUCTURAL STEEL (ODICON BRIDGE)	640 kg.	15.00	9,000.00	32.74	209.55	3,143.25
409-2.1	TIMBER SHEET PILE (T & G 4" x 12" x 10")	142 L.M.	221.50	31,453.00	-	-	-
412	STONE MASONRY	56 cu.m.	257.00	14,392.00	-	-	-
413-2	0.60 M. DIA. REINFORCED CONCRETE PIPE	456 L.M.	214.00	97,584.00	100	456	97,584.00
413-3	0.90 M. DIA. REINFORCED CONCRETE PIPE	445 L.M.	480.00	213,600.00	95.28	424	203,520.00
413-4	1.20 M. DIA. REINFORCED CONCRETE PIPE	280 L.M.	770.00	215,600.00	100	280	215,600.00
500-1	RIPRAP AND GROUTED (RIVER BANK PROTECTION)	954 cu.m.	180.00	171,720.00	58.18	555	99,900.00
500-2	RIPRAP AND GROUTED (CANAL PROTECTION)	225 cu.m.	180.00	40,500.00	100	225	40,500.00 *
510	RIGHT - OF - WAY MARKERS	664 ea.	50.00	33,200.00	87.20	579	28,950.00
TOTAL							P5,958,617.30
<p>* Incorporated in C.O. # 1</p> <p>** Covered by H.C.</p>							

A P P E N D I C E S

APPENDIX A - MANPOWER SCHEDULE, CONSULTANTS STAFF FOR CONSTRUCTION SUPERVISION

- * 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. 3
Seven Bridges, Calabanga-Tinambac Road
- * 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)
- * R. L. Umali Construction Corporation
(Contractor, Libmanan Bridge-Cabusao Section)
- * Kamagong Builders & Developers Corporation
(Contractor, Calabanga-Manguiring Bridge Section)
- * Kamagong Builders & Developers Corporation
(Contractor, Manguiring Bridge-Tinambac Section)
- * CBT Construction & Equipment Corporation
(Contractor, Danao-Pasacao Road)

APPENDIX C - CERTIFICATION

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SUPERVISION

SUBPROJECT 3, CONTRACT PACKAGE NO. 1-CALABANGA-MANGUIRING BRIDGE SECTION

NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MAN MONTHS
		DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
A. DESEO	RESIDENT ENGINEER	SAME AS KEY STAFF																								9.5
J. HERNANDEZ	MATERIALS ENGINEER	[Hatched]																								15
D. COSINAS	ENGR. INSPECTOR (HWY.)	[Hatched]																								16
F. ANCOLA	FLD. UTILITY ENGR.	[Hatched]																								16
E. ORBITA	SURVEYMAN/DRAFTSMAN	[Hatched]																								17
E. ACULA	CE AIDE/TECHNICIAN	[Hatched]																								18
R. DAZAL	CLERK-TYPIST	[Hatched]																								18
M. BALAGAT	SURVEY AIDE/LABORER	[Hatched]																								18
SUBTOTAL																										

STAFF

SUBPROJECT 3, CONTRACT PACKAGE NO.2-MANGUIRING BRIDGE-TNAMBAC SECTION

NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MAN MONTHS
		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	
R.SANTOS/L.GOMILLA	SR. BR. ENGR./R.E.	[Hatched]																								18
A. RAMIRO	MATERIALS ENGR.	[Hatched]																								18
J. AMORES	ENGR. INSP. (HWY.)	[Hatched]																								16
R. CELIS	FIELD UTILITY ENGR.	[Hatched]																								16
M. CANONON	SURVEYMAN/DRAFTSMAN	[Hatched]																								17
E. VILLENA	CLERK/TYPIST	[Hatched]																								18
S. BATALLA	C.E. AIDE/TECH.	[Hatched]																								18
R. MAGPANTAY	SURVEY AIDE (LABORER)	[Hatched]																								18
SUBTOTAL																										

SUPPORT STAFF

SUBPROJECT 3, CONTRACT PACKAGE NO. 3-BRIDGES, CALABANGA-TINAMBAC ROAD

NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MAN MONTHS
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	
L. GOMILLA/B. ANTONIO	SR. BR. ENGR./RE.	SAME AS KEYSTAFF																								5
	MATERIALS ENGR.	SAME AS IN CONTRACT PACKAGE NO. 2																								0
S. BOBJA	ENGR. INSP. (BR.)	[Hatched]																								16
	FIELD UTILITY ENGR.	[Hatched]																								16
	SURVEYMAN/DRAFTSMAN	SAME AS IN CONTRACT PACKAGE NO. 2																								0
	CLERK/TYPIST	- do -																								0
	C.E. AIDE /TECH.	- do -																								0
	SURVEY AIDE (LABORER)	- do -																								0
SUBTOTAL																										

SUPPORT STAFF

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SUPERVISION

STAFF	NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	MAN MONTHS
			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	
	O. G. CARAGAY	PROJECT MANAGER	[Hatched]																																		33
	C. MANAOIS/F. MADRINAN, SR.	SR. HWY. ENGR./R.E.	[Hatched]																																		33
	L. GOMILLA/B. ANTONIO	SR. BR. ENGR./R.E.	[Hatched]																																		33
	R. SAMONTE	SR. MTL. ENGR./R.E.	[Hatched]																																		33
	F. DAUZ	SR. LOC. ENGINEER	[Hatched]																																		33
	E. ROSALES	ADM. OFFICER	[Hatched]																																		33
	R. MILLENDEZ	BOOKKEEPER/PAYMASTER	[Hatched]																																		33
	D. MORESCO	MESSENGER/JANITRESS	[Hatched]																																		33
	D. CORNELIO, D. ULAN J. ROSALES	SECURITY GUARD (3)	[Hatched]																																		99
SUBTOTAL																																					

SUPPORT STAFF	SUBPROJECT I, SEGMENT "A" - SAN ISIDRO-LIBMANAN BRIDGE SECTION																											MAN MONTHS
	NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
	A. RIVERA	RESIDENT ENGINEER	SAME AS KEY STAFF																									2
	A. SUNICO	MATERIALS ENGR.	[Hatched]																									13
	J. VILLAR	ENGR. INSP (HWY.)	[Hatched]																									15
	R. BUEN	FLD. UTILITY ENGR.	[Hatched]																									15
	S. BERINGUELA	ENGR. INSP. (BR.)	[Hatched]																									12
	M. CANONoy	SURVEYMAN/DRAFTSMAN	[Hatched]																									15
	A. MARQUEZ	CE AIDE/TECHNICIAN	[Hatched]																									14
	J. ALIPORO	CLERK - TYPIST	[Hatched]																									14
	Z. ESTRELLA	LABORER/SURVEY AIDE	[Hatched]																									14
SUBTOTAL																												

SUPPORT STAFF	SUBPROJECT I, SEGMENT "B" - LIBMANAN BRIDGE - CABUSAO SECTION																											MAN MONTHS
	NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
	C. MANAOIS/F. MADRINAN, SR.	SR. HWY. ENGR./R.E.	SAME AS KEYSTAFF																									11
	E. SANTIAGO	MATERIALS ENGR.	[Hatched]																									15
	A. MENARCIO	ENGR. INSPECTOR	[Hatched]																									14
	R. BICALDO	FLD. UTILITY ENGR.	[Hatched]																									14
	M. CULANGO	SURVEYMAN/DRAFTSMAN	[Hatched]																									15
	C. MADAMBA	CE AIDE/TECHNICIAN	[Hatched]																									14
	D. BARILEA	CLERK - TYPIST	[Hatched]																									14
	G. dela CRUZ	SURVEY AIDE	[Hatched]																									14
SUBTOTAL																												

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SUPERVISION

SUBPROJECT 2, DANA0-PASACAO ROAD

	NAMES	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MAN MONTHS																							
			MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR																								
SUPPORT STAFF	R. SAMONTE	SR. MTL. ENGR. / R.E.																								0																								
	R. PAGKATIPUNAN	MATERIALS ENGR.	SAME AS KEY STAFF																								17																							
	A. RIVERA	ENGR. INSPECTOR (HWY)	[Hatched]																								16																							
	A. PAYTE	ENGR. INSPECTOR (BR)	[Hatched]																								15																							
	R. CADAG	FLD. UTILITY ENGR.	[Hatched]																								16																							
	G. GERONA	SURVEYMAN/ DFT'MAN	[Hatched]																								16																							
	N. TORIBIO	C.E. AIDE / TECH.	[Hatched]																								16																							
	E. TAN y BOROC	CLERK / TYPIST	[Hatched]																								16																							
	R. ALVARAN	SURVEY AIDE (LABORER)	[Hatched]																								16																							
																											SUBTOTAL																							

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

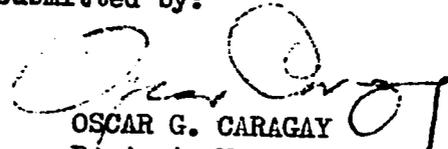
*EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR TECHNIKS GROUP CORPORATION (Consultant - Package I)
 FOR THE MONTH OF SEPTEMBER, 1980

		ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED	<u>1/</u>	1	13		-
LOCAL - HIRED	<u>2/</u>	5	16	-	8
SUB-CONTRACTORS	<u>3/</u>	-	-	-	-
TOTAL		6	29	-	8

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

Submitted by:


 OSCAR G. CARAGAY
 Project Manager

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR R. L. UMALI CONSTRUCTION CORPORATION (Libmanan Bridge-Cabusao Section
 FOR THE MONTH OF SEPTEMBER, 1980

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA-BASED <u>1/</u>	1	2	3	-
LOCAL-BASED <u>2/</u>	-	3	1	-
SUB-CONTRACTORS <u>3/</u>	-	-	-	2
T O T A L	1	5	4	2

1/ Include permanent employees

2/ Employees residing within the Basin Area

3/ Local Hired Only

Submitted by:

(SGD.) BENJAMIN R. CACERES
 Project Officer In-Charge

Concurred In:

FRANCISCO MADRIÑAN
 Resident Engineer

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR KAMAGONG BUILDERS & DEVELOPERS CORPORATION (Calabanga-Manguiring Bridge Section)
FOR THE MONTH OF SEPTEMBER, 1980

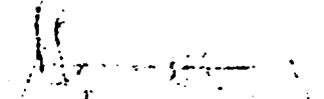
	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA-BASED 1/	3	3	7	-
LOCAL - HIRED 2/	-	3	12	8
SUB-CONTRACTOR 3/	-	-	16	21
TOTAL	3	6	35	29

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

CONCURRED IN:


 ALEJANDRO DESEO
 Resident Engineer

Submitted by:


 NEMESIO D. HERAMIS
 Project Engineer

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

*EMPLOYMENT GENERATION SURVEY (SS3)

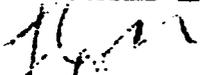
NAME OF CONTRACTOR KAMAGONG BUILDERS & DEVELOPERS CORP. (Manguiring Bridge-Tinambac Section)

FOR THE MONTH OF SEPTEMBER

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED <u>1/</u>	3	2	17	-
LOCAL - HIRED <u>2/</u>	2	9	3	7
SUB-CONTRACTORS <u>3/</u>	-	-	1	23
TOTAL	5	11	21	30

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

CONCURRED IN:


LUIS G. GOMILLA
Resident Engineer, TGC

Submitted by:


EMILIO G. ANGELES
Project Engineer

**BICOL RIVER BASIN DEVELOPMENT PROJECT
SAN JOSE, PILI, CAM. SUR**

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR : CBI Construction & Equipment Corporation (Danao-Pasacao Road)
 FOR THE MONTH OF : September, 1980

		: ADMINISTRATIVE	: ENGINEERING	: SKILLED	: UNSKILLED
		: FINANCE	: TECHNICAL		
MANILA-BASED	<u>1/</u>	: 1	: 3	: 3	:
LOCAL HIRED	<u>2/</u>	: 2	: 1	: 5	: 39
SUB-CONTRACTORS	<u>3/</u>	:	: 1	:	: 107
TOTAL		: 3	: 5	: 8	: 146

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

CONCURRED BY:

RODANTE R. SANONTE
Resident Engineer, TGC

SUBMITTED BY:

CONRADO S. P. GONZALES
Project Manager, CBI

-October 1, 1980

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 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.


OSCAR G. CARAGAY
Project Manager