PD-AAM-226
ISN 15411
4920281

REPUBLIC OF THE PHILIPPINES

MINISTRY OF PUBLIC HIGHWAYS

MANILA

BICOL RIVER BASIN DEVELOPMENT PROJECTS

SECONDARY & FEEDER ROADS

CAMARINES SUR

PACKAGE II

MONTHLY CONSTRUCTION REPORT

PAC-CANOLINA REPORT NO. 22

PLI-HADAGROC REPORT NO. 20

DATE: 16

APRIL

INTEGRATED PHILCONSULT, INC.
CONSULTING ENGINEERS
PHILIPPINES

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Sub-Project No. 10

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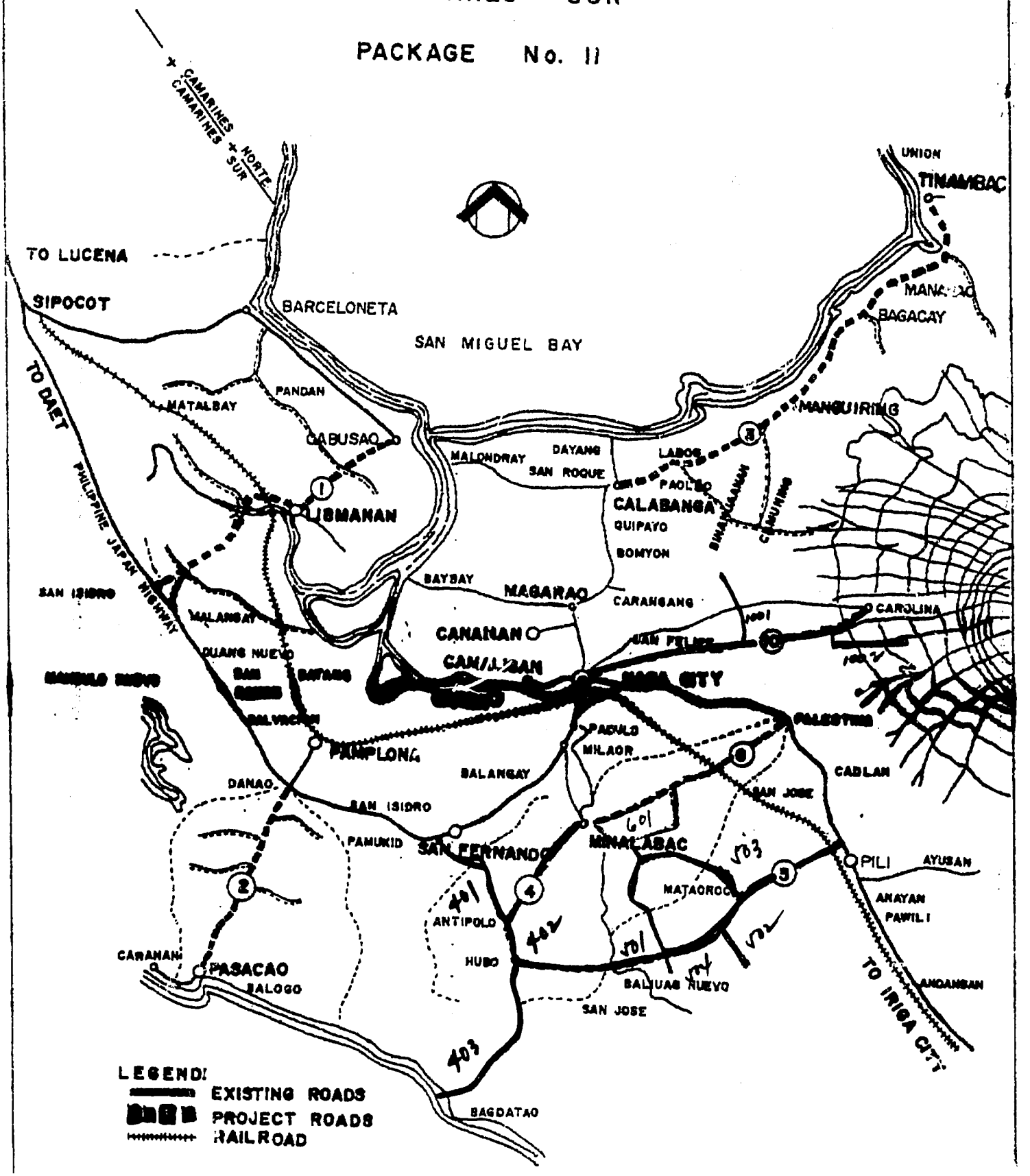
FIGURE 1

BICOL RIVER BASIN DEVELOPMENT PROJECT

SECONDARY AND FEEDER ROADS
CAMARINES SUR

PACKAGE No. II



Bicol River Basin Development Project

Secondary and Feeder Roads

PACKAGE II

NAGA-CAROLINA ROAD PROJECT
Sub-Project No. 10

MONTHLY CONSTRUCTION REPORT
No. 22

April, 1980

Prepared by:

LUCIO D. MAYOR
Sr. Hwy. Engineer/RE

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager

PROGRESS REPORT NO. 22

April, 1980

PROJECT: NAGA-CAROLINA ROAD PROJECT
SUB - PROJECT NO. 10

1. GENERAL

Good weather conditions prevailing during the period, enabled the contractor to work satisfactorily on his Bituminous Surface Treatment on the Secondary Road.

2. PROGRESS

Work accomplished for the month came mostly from the remaining major items at the secondary road.

Progress as of this cut-off date is 98.97% per adjusted quantities and time elapsed from the start of the project including time extensions is 94.34%.

a) Secondary Road

1. Earthworks

Approaches to the Bridges are now being repaired and corrected, closing the traffic temporarily.

2. Subbase and Base

Aggregate Base Course continued to preceed the sections for asphalt treatment.

3. Surfacing

Except for the bridge approaches and the chapel site at San Isidro, Bituminous Surface treatment is almost complete.

4. Structures

Complete.

b) Feeder Roads Nos. 1001 and 1002

No activity for the period.

5. SUMMARY OF PHYSICAL ACCOMPLISHMENT TO DATE

a) Roads:

Sub-grade	19.45 K.M.
Subbase	19.45 K.M.
Base	13.33 K.M.
Surfacing	80,123 sq. m.

b) Bridges:

Substructure	62.2 L.M.
Superstructure	62.2 L. M.

4. COMMENTS AND RECOMMENDATIONS

An extra work order is recommended for the reinforcement to the bridge and approaches at Feeder Road No. 1002 at Panicuason.

Once the chapel is removed to be relocated, surfacing of the secondary road could be completed this coming next period.

The consultant is preparing a deficiency list to enable the contractor to correct them before the final turn-over of the works.

Change Order No. 1 should be approved at the earliest, since the completion of the project can be hampered by its delay.

WEATHER REPORT

As of April, 1980

PROJECT: NAGA - CAROLINA ROAD PROJECT
Sub - Project No. 10

Date - 1980		Weather	Remarks	Time Extension Recommended
March	26	Cloudy	Workable	None
	27	Fair to cloudy	Workable	None
	28	Fair	Workable	None
	29	Sunny	Workable	None
	30	Sunny	Workable	None
	31	Fair	Workable	None
April	1	Fair	Workable	None
	2	Fair	Workable	None
	3	Fair	Workable	None
	4	Fair	Workable	None
	5	Fair	Workable	None
	6	Fair	Workable	None
	7	Fair	Workable	None
	8	Sunny	Workable	None
	9	Sunny	Workable	None
	10	Sunny	Workable	None
	11	Sunny	Workable	None
	12	Fair	Workable	None
	13	Fair	Workable	None
	14	Sunny	Workable	None
	15	Sunny	Workable	None
	16	Fair	Workable	None
	17	Fair	Workable	None
	18	Fair	Workable	None
	19	Sunny	Workable	None
	20	Sunny	Workable	None
	21	Sunny	Workable	None
	22	Sunny	Workable	None
	23	Sunny	Workable	None
	24	Sunny	Workable	None
	25	Sunny	Workable	None

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH - - - - - None
TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY - - - - - 83 days
GRAND TOTAL TO DATE - - - - - - - - - - - 83 days

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR BALM Construction Co., Inc.

FOR THE MONTH OF April, 19 80

	ADMINISTRATIVE/ FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED 1/	-	2	1	-
LOCAL - HIRED 2/	9	1	31	19
SUB-CONTRACTORS 3/				
T O T A L	9	3	32	19

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

Submitted By:

EUTROPIO O. DOROY
Project Engineer

5.3.80/vldlc

BALM CONSTRUCTION CO., INC.
Naga-Carolina Road Project
Naga City

LIST OF PERSONNEL
As of March , 1980

NAME	POSITION	QUALIFICATION
I. TECHNICAL STAFF		
1. Modesto C. Buenaventura	Operations Mgr.	Expeienced
2. Eutropio C. Doroy	Resident Engr.	Civil Engr.
3. Perpetuo B. Avila	Mtls. Lab. Tech/PO	Experienced
II. ADMINISTRATIVE STAFF		
1. Efren B. Advincula	Adm. Officer	B S C
2. Fatima B. Reyes	Comptroller	-do-
3. Gloria N. Felipe	Fld. Acctg. Officer	-do-
4. Magno A. Tomas	Gen. Timekeeper	-do-
5. Narciso S. Felipe	Warehouseman/Purchaser	-do-
6. Francisco S. Felipe	Asst. Warehouseman	-do-
7. Placido Balisbis	PCL Tender	-do-
8. Mariano Panganiban	Compound Watchman	-do-
9. Antonio Cerdon	-do-	-do-
10. Gregorio Nacario	-do-	-do-
11. Efren San Joaquin	Field Watchman	-do-
12. Ernesto Viterbo	Field Watchman	-do-
III. MECHANICAL DEPARTMENT		
1. Romeo A. Sauco	Equipment Foreman	Expeienced
2. Fernando Luna	Mechanic	-do-
3. Jose Daruca	Mechanic	-do-
4. Floro Palmarin	Mechanic/Operator	-do-
5. Norberto Alambre	Mechanic Helper	-do-
6. Domiciano Losa	Mechanic Helper	-do-
7. Tito Jerusalem	Electrician	-do-
8. Felixberto Pelagio	Welder	-do-
9. Efren Q. Nano	Tireman	-do-
IV. DRIVERS		
1. Wilfredo Roldan	Truck Driver	Experienced
2. Pedro Malapo	-do-	-do-
3. Pio Macario, Jr.	-do-	-do-
4. Luis Santos	-do-	-do-
5. Rodolfo Parro	-do-	-do-
6. Eliseo Roldan	-do-	-do-
7. Roman Maghirang	-do-	-do-
8. Carlito Atup	Pick-up Driver	-do-

V. HEAVY EQUIPMENT OPERATORS

1.	Elmer Fabricante	Grader Operator	Expeienced
2.	Reynaldo Villavecencio	Payloader Operator	-do-
3.	Julio Ripo	Dozer Operator	-do-
4.	Aniano Jesus, Jr.	Road Roller Operator	-do-
5.	Sancho Buendia	-do-	-do-
6.	Florentino Reonico	-dp-	-do-
7.	Gregorio Baste	Asph. Distributor Optr.	-do-
8.	Ricardo Buendia	Asst. Rd. Roller Optr.	-do-

VI. SURVEY AND LAB TEAM

1.	Armando Parillas	Instrument Man	Expeienced
2.	Carlos Bislumbre	Survey Aide	-do-
3.	Rafael Parillas	-do-	-do-
4.	Luis de leon	Laboratory Aide	-do-

VII. MISCELLANECUS STRUCTURES

1.	Jose Mariano	Gen Const. Foreman	Experienced
2.	Romeo Bongat	Const. Foreman	-do-
3.	Pedro Bual	Carpenter	-do-
4.	Jorge Proa	Carpenter	-do-
5.	Pablo Catimbang	Laborer	-do-
6.	Oscar Moreno	-do-	-do-
7.	Jovenol Albe	-do-	-do-
8.	Catalino Canaveras	-do-	-do-
9.	Maximino Castillo	-do-	-do-
10.	Carlito Caneda	-do-	-do-
11.	Claudio Flores	-do-	-do-
12.	Pablo Gonzales	-do-	-do-
13.	Jose Garcia	-do-	-do-
14.	Paterno Panganiban	-do-	-do-
15.	Jose Panganiban	-do-	-do-
16.	Felix Calleja, Jr.	Truck Helper	-do-
17.	Roberto Bron	-do-	-dp-
18.	Santos Panganiban	-do-	-do-
19.	Abraham Gonzales	-do-	-do-
20.	Domingo Arbaca	-do-	-do-
21.	Teofisto Alano	-do-	-do-

VIII. BRIDGE CONST. TEAM

1.	Juanito Porterio	Bridge Foreman	Experienced
2.	Juan Perez	Carpenter	-do-
3.	Fortunato Senson	-do-	-do-
4.	Teodulo Petrimentre	-do-	-do-
5.	Jose Petrimetre	-do-	-do-
6.	Roman Buena	-do-	-do-

7.	Vicente Magayanes	Carpenter	Experienced
8.	Loreto Sabong	Carpenter	-do-
9.	Ronald Porteria	-do-	-do-
10.	Bernardo Antonio	Mason	-do-
11.	Ramon Antonio	Laborer	-do-
12.	Jaime Senson	-do-	-do-
13.	Feliciano Robles	-do-	-do-

IX. ASPHALTING TEAM

1.	Nestor Mariano	Laborer	Experienced
2.	Jose Raymundo, Jr.	-do-	-do-
3.	Leo Napa	-do-	-do-
4.	Pablo Hernandez	-do-	-do-
5.	Antonio Loma	-do-	-do-
6.	Jose Buana	-do-	-do-
7.	Carlos Buena, Jr.	-do-	-do-
8.	Salvador Abiog	-do-	-do-
9.	Reynaldo Asor	-do-	-do-
10.	Cosar Buena	-do-	-do-
11.	Saturnino Hernandez	-do-	-do-
12.	Abundio Opiana	-do-	-do-
13.	Paciano Reburia	-do-	-do-
14.	Antonio Rabuza	-do-	-do-

Submitted By:

(Sgd) Perpetuo B. Avila
Personnel Officer/MLT

Annex "B"

BALM CONSTRUCTION CO., INC.
NAGA-CAROLINA ROAD PROJECT
NAGA CITY

LIST OF EQUIPMENT
As of April, 1980

1 - unit Bulldozer, Komatsu
1 - unit Bulldozer, CAT D7
2 - units Road Grader, CAT 12 99E
2 - units Payloader, KIMCO JH - 65
1 - unit Payloader, CAT 950
1 - unit Road Roller, GALION , 2 wheeled
1 - unit Cons. Mixer, 1 Bagger
1 - unit Sheepsfoot Roller, Single Drum
1 - unit Generator, G.M. 3.5 Power
1 - unit Welding Machine, HOBART
3 - units Vibrator, Portable
1 - unit Service Car, Ford Fiera 1600
2 - units Dump Truck, ISUZU, 10 Wheeler
1 - unit Stake truck, IH
8 - units Dump Truck, ISUZU , 6 Wheeler
2 - units Stake Truck, TOYOTA
1 - unit Tractor Massey Ferguson, Sheepsfoot Tower
1 - unit Pile Hammer, D-22
2 - units Bar Cutter
1 - unit Road Roller, GALION, 3 wheeled
1 - unit Rock Crusher Complete with accesories
1 - unit Crane with Diesel Hammer

SUBMITTED BY:

(SGD) EUTROPIO C. DOROY
Project Engineer

List of Laboratory Equipment

As of April, 1980

One - 8 - inch brass Sieve 3"
One - 8 - inch Brass Sieve 2"
One - 8 - inch Brass Sieve 1½"
One - 8 - inch Brass Sieve 1"
One - 8 - inch Brass Sieve ½"
One - 8 - inch Brass Sieve 3/8"
One - 8 - inch Brass Sieve No. 50
One - 8 - inch Brass Sieve No. 100
One - 8 - inch Brass Sieve No. 60
Two - Triple Beam Scale 0.1 gm.
One - Micromeyer Poise Balance 5.0 Kg.
One - Gas Stove with oven
Two - Bucket for Immersing Aggregates
One - Volumetric Flask, 100 ml.
Twelve - Moisture Cans
One - Compaction Hammer, 5.5 lb.
One - Sand Cone Apparatus
Three - Field Density Plates
Two - Sand Scoop
Two - Tampering Rod
One - Slump Cone
Three - Cylinder Mold
One - Beam Mold
One - Asphalt Thermometer 100-400 °F
One - Stop Watch
Two - Cylinder Mold
Two - Modified Compaction Mold 1/30
One - 8 - inch Brass Sieve 3/4"
One - 8 - inch Brass Sieve No. 4
One - 8 - inch Brass Sieve No. 10
One - 8 - inch Brass Sieve No. 40
One - 8 - inch Brass Sieve No. 200
Liquid Limit Device
Plastic Limit Set
Density Sand
Graduated Cylinder 25 ml.
Basin Pan 24" x 24"
Basin Pan 18" x 18"

ITEM	DESCRIPTION	ESTIMAT SCHEDULE
1.60.1	Force Accout Work (For the Spillway)	0.08209
1.60.3	Provide one(1) UNIT Utility Vehicle for Engineer	0.22164
1.60.4	Maintain, Operate & Repair one Unit Utility Vehicle for Engr.	0.13093
1.60.5	Laboratory & Office Equipment for Engineer as listed	0.30372
100	Clearing and Grubbing	1.05637
105(Sec)	Roadway and Drainage Excavation	9.59164
105(Fed)	Roadway and Drainage Excavation	4.18006
105-4	Excavation of Unsuitable Materials	0.85222
106	Excavation for Structures	0.19465
107	Borrow	16.09213
108	Aggregate Sub-base	28.42955
110	Foundation Fill	0.04925
111	Overhaul (300M.) Freehaul	0.22980
200	Aggregate Base Course	11.40815
302	Medium Curing Cutback Asphalt, Grade MC-1	
	for Bituminous Prime Coat	3.42672
314(1)	Aggregate Matl. for Bit.-Surface Treatment (Hot Asphalt)	2.02265
314(3)	85-100 Penetration Asphalt Cement for BST	6.56704
401	Timber (Detour) Trestle (Superstructure only on	
	Concrete Pile Bent)	0.16418
402-2.5	Precast Concrete Piles	3.42652
402-2.5a	Concrete Test Piles (Furnish and Drive)	0.36119
403	Concrete Railing	0.10056
405	Concrete Class "A" (Miscellaneous)	2.75200
405-1	Concrete Class "A" (Bridge)	1.56919
406	Reinforcing Steel	2.96486
413	0.30M. ø RCP	0.05356
413-2	0.60M. ø RCP	0.37798
413-3	0.90M. ø RCP	0.64439
413-4	1.20M. ø RCP	2.28065
500	Riprap and Grouted	0.32009
501	Hand-Laid Embankment	0.01428
510	Right-of-Way Markers	0.13190
	TOTAL	100.00

MONTHLY
CUMULATI
% TIME EL

JULY 15, 1978

START OF CONTRA

TIME

ESTIMATED % WEIGHT			QUANTITY	UNIT COST	AMOUNT	JULY
SCHEDULED	PROJECT ITEM					
0.08209	0	0		Lump Sum	10,000.00	
0.22164	0.22164	100		Lump Sum	27,000.00	
0.13093	0.13093	100	5.5 mos.	2,900.00	15,950.00	
0.30372	0.30372	100		Lump Sum	37,000.00	
1.05637	1.05637	100	33.6 Has.	3,830.00	128,688.00	
9.59164	9.59164	100	52,280 Cu.M.	22.35	1,168,458.00	
4.18006	4.18006	100	24,248 Cu.M.	21.00	509,216.00	
0.85222	0.85222	100	3,460 Cu.M.	30.00	103,818.00	
0.19465	0.19465	100	1,355 Cu.M.	17.50	23,712.00	
16.09213	15.77029	98	56,010 Cu.M.	35.00	1,960,350.00	
28.42955	28.14525	99	54,973 Cu.M.	63.00	3,463,299.00	
0.04925	0.04925	100	120 Cu.M.	50.00	6,000.00	
0.22980	0.22980	100	111,980 Sta.M.	0.25	27,995.00	
11.40815	11.30775	99	19,437 Cu.M.	71.50	1,389,745.00	
	3.35818	98				
3.42672			129 M.T.	3,236.00	417,444.00	
2.02265	1.98181	98	1,760 Cu.M.	140.00	246,400.00	
6.56704	6.43569	98	256 M.T.	3,125.00	800,000.00	
	0.16418	100				
0.16418			2 SPANS	10,000.00	20,000.00	
3.42652	3.42652	100	540 L.M.	773.00	417,420.00	
0.36119	0.36119	100	4 EACH	11,000.00	44,000.00	
0.10056	0.10056	100	98 L.M.	125.00	12,250.00	
2.75200	2.75200	100	447 Cu.M.	750.00	335,250.00	
1.56919	1.56919	100	236 Cu.M.	810.00	191,160.00	
2.96486	2.96486	100	55,997 Kgs.	6.45	361,180.65	
0.05356	0.05356	100	45 L.M.	145.00	6,525.00	
0.37798	0.37798	100	161 L.M.	286.00	46,046.00	
0.64439	0.64439	100	157 L.M.	500.00	78,500.00	
2.28065	2.28065	100	294 L.M.	945.00	277,830.00	
0.32009	0.32009	100	268 Cu.M	145.00	38,994.00	
0.01428	0.01428	100	30 Cu.M	58.00	1,740.00	
0.13190	0.12926	98		39.00	16,068.00	
100.00	98.97 % AS OF APRIL, 1980			₱ 12,182,040.05		

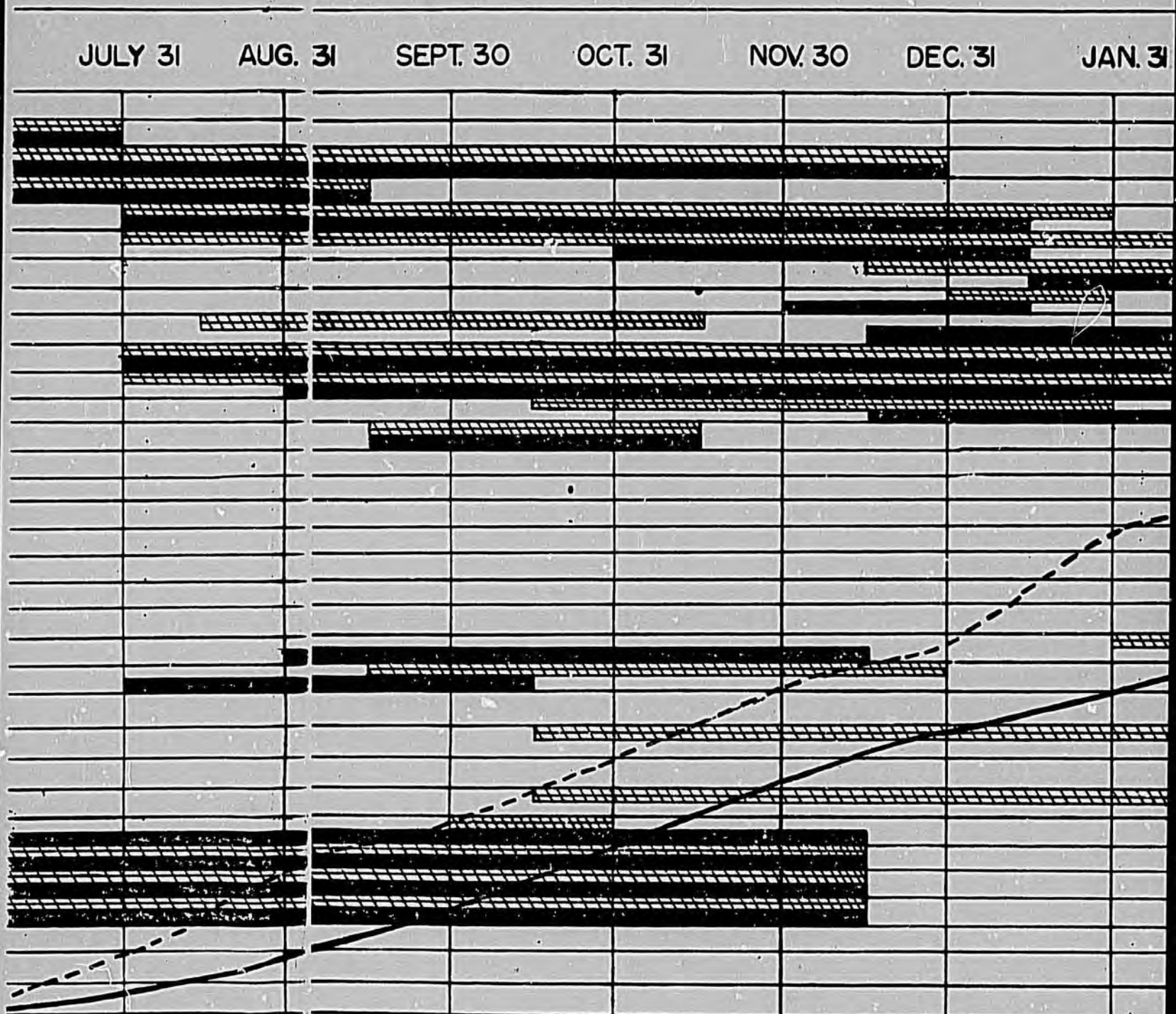
THLY PERIODICAL ACCOMPLISHMENT	₱83,717.54	2
JLATIVE TOTAL AMOUNT		3
ME ELAPSED	2.46 %	

REVISED BAR

1978

ONTRACT

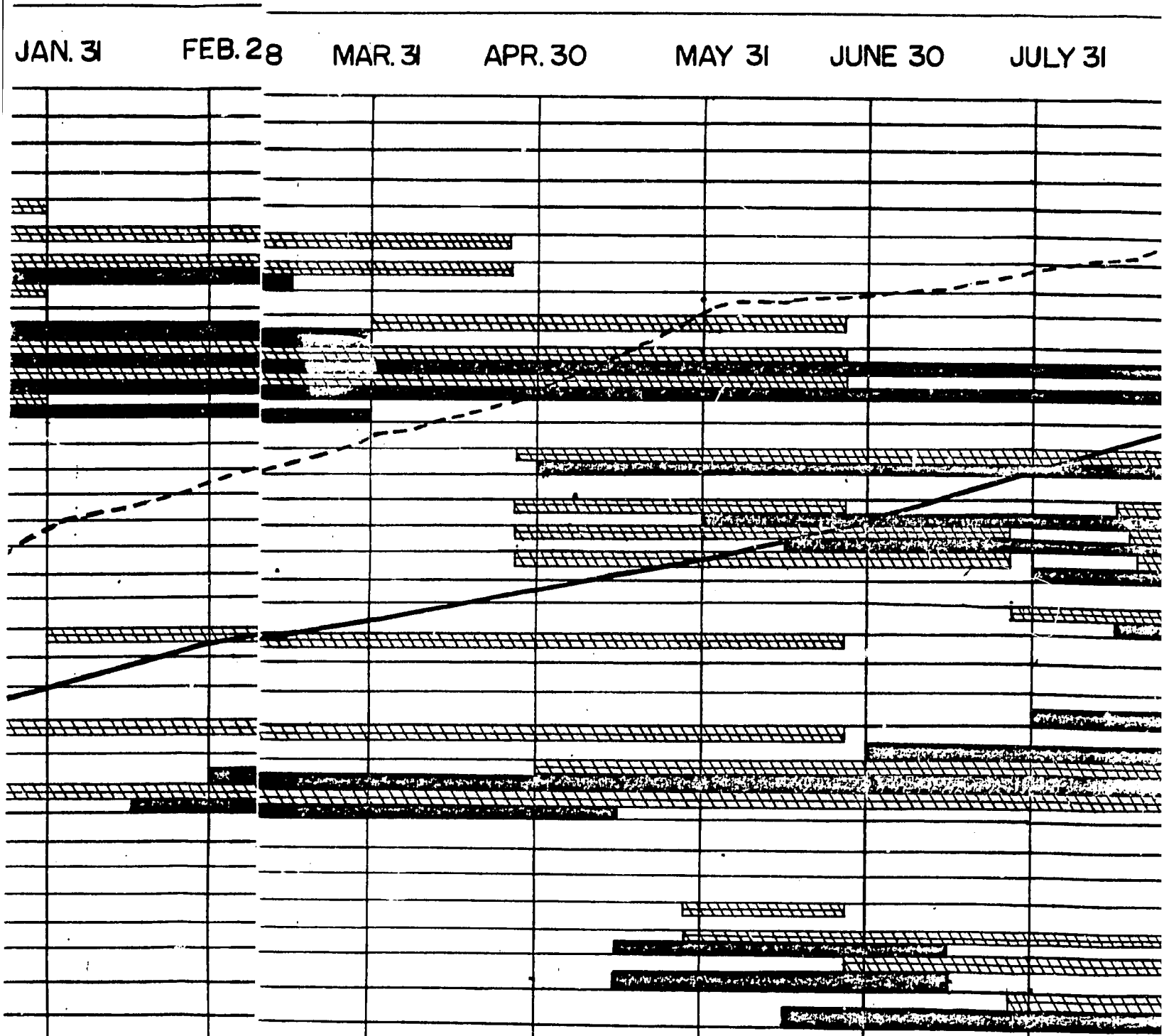
NAGA - C



3,717.54	243,111.66	517,089.34	522,904.20	912,144.84	905,560.16	691,694.16	549
	326,829.20	343,918.54	1,366,822.74	2,278,967.58	3,184,529.74	3,876,221.90	4,42
.46 %	6.95 %	11.29 %	15.77 %	20.12 %	24.6 %	29.09 %	3

13

AR SCHEDULE OF WORK
OF
- CAROLINA ROAD



16	549,682.99	561	,598.86	408,983.59	478,577.61	440,190.14	575,618.17	678,841.7
90	4,425,904.89	4,9	6,503.75	5,395,487.34	5,874,064.95	6,314,255.09	6,889,873.26	7,568,715.05
%	33.14 %	3	7.63 %	41.97 %	46.45 %	50.80 %	55.28 %	59.77 %

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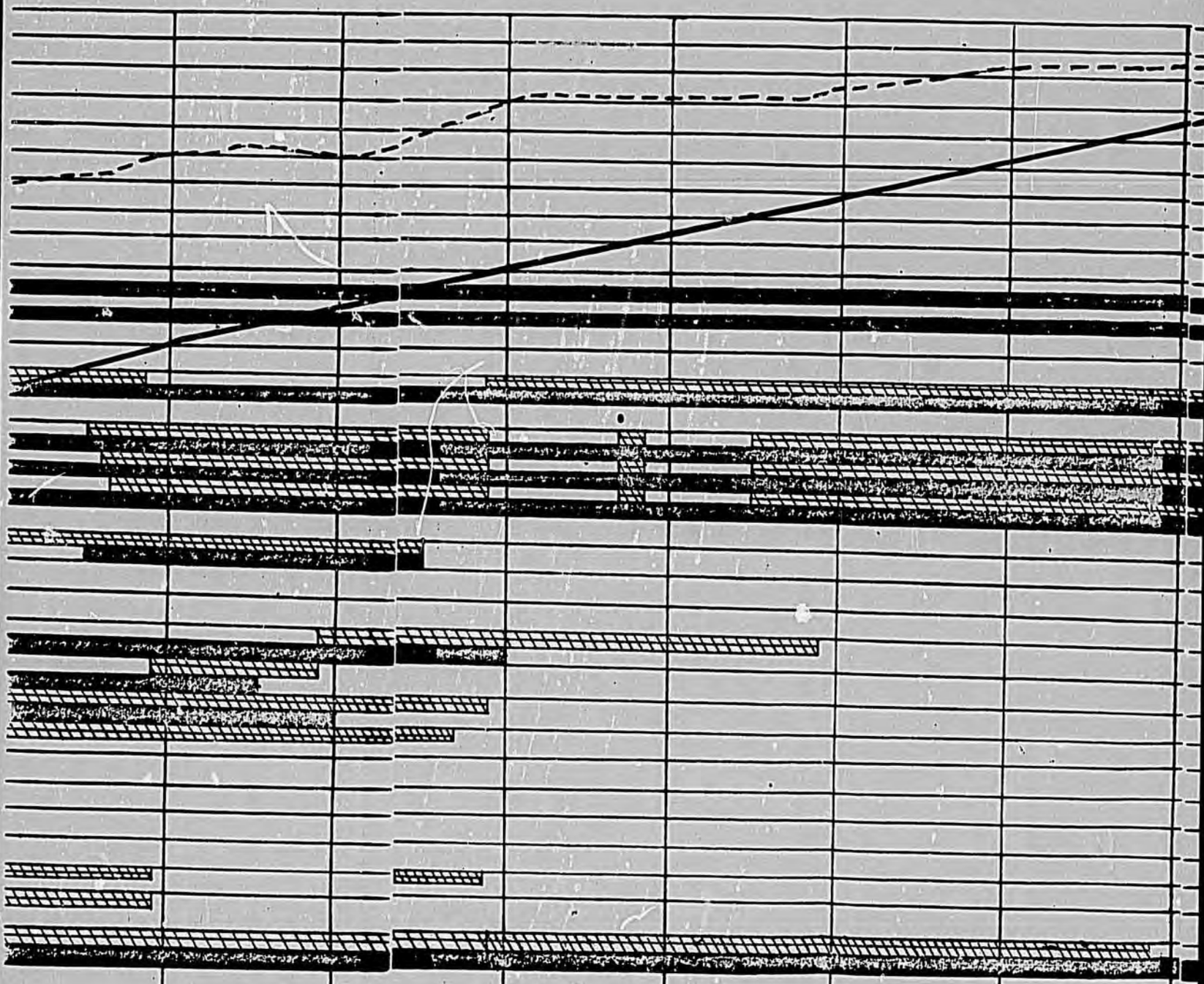
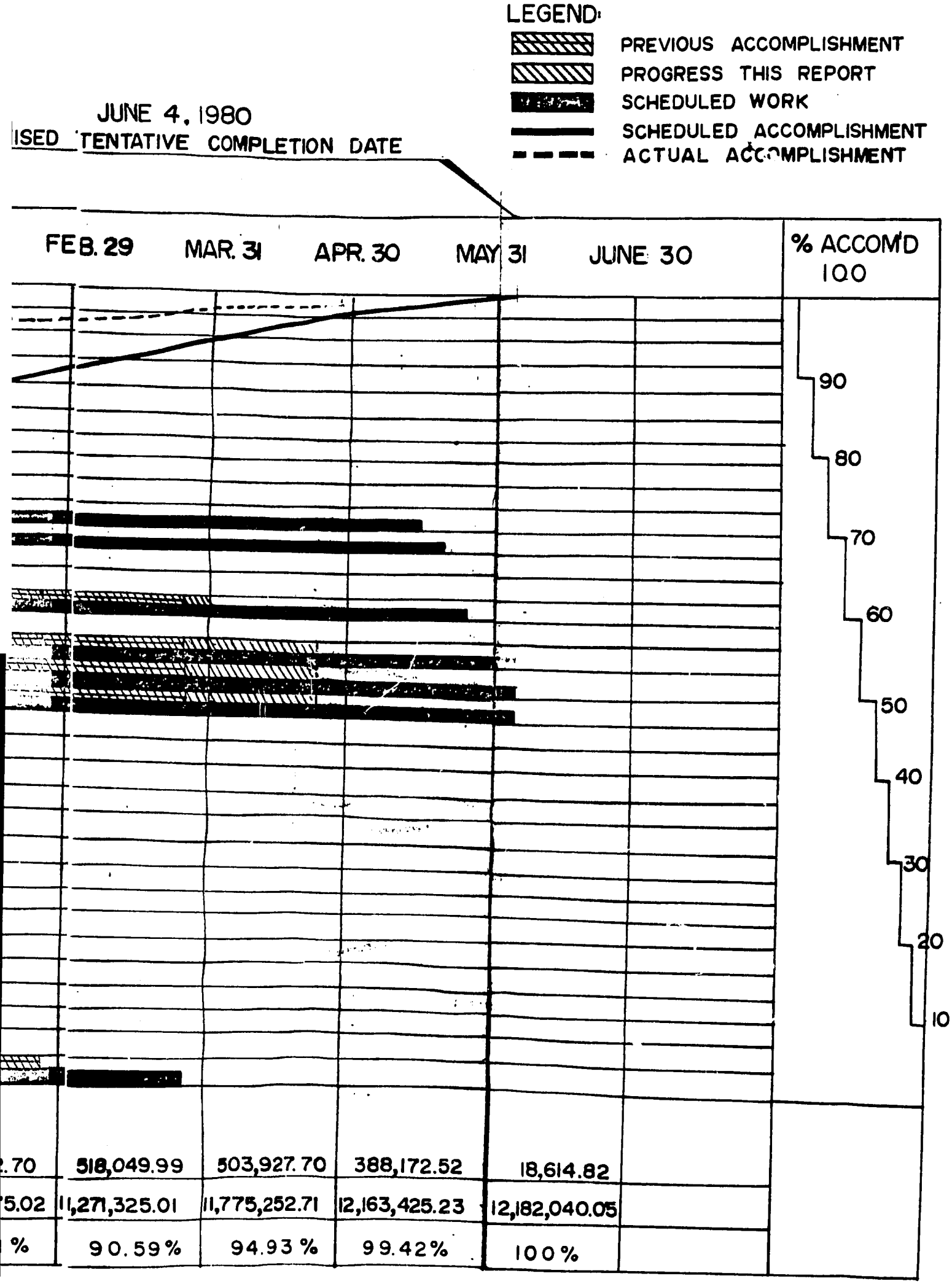


678,841.79	617,159.59	526,090.00	503,927.70	518,049.99	518,049.99	501,282.70	
,568,715.05	8,185,874.64	8,711,964.64	9,215,892.34	9,733,942.33	10,251,992.32	10,753,275.02	11,
59.77 %	64.11 %	68.60 %	72.94 %	77.42 %	81.91 %	86.11 %	


LEGEND:
PREVIOUS ACCOMPLISHMENT
PROGRESS THIS REPORT
SCHEDULED WORK
SCHEDULED ACCOMPLISHMENT
ACTUAL ACCOMPLISHMENT
JUNE 4, 1980
ISED TENTATIVE COMPLETION DATE
FEB. 29
MAR. 31
APR. 30
MAY 31
JUNE 30
% ACCOM'D
100
90
80
70
60
50
40
30
20
10
.70
518,049.99
503,927.70
388,172.52
18,614.82
5.02
11,271,325.01
11,775,252.71
12,163,425.23
12,182,040.05
%
90.59%
94.93%
99.42%
100%

BICOL RIVER BASIN DEVELOPMENT
(ROAD COMPONENTS)

MANPOWER SCHEDULE OF CONSULTANT'S STAFF CONSTRUCTIO

PACKAGE II

NAMES	POSITION	1 JULY	2 AUG.	3 SEPT.	4 OCT.	5 NOV.	6 DEC.	7 JAN.	8 FEB.	9 MAR.	10 APR.	11 MAY	12 JUNE	13 JULY	AU
A. E. BANDELARIA	DEPUTY PROJ. MANAGER														
L. D. MAYOR	SR. HWY. ENG'R. R.E.														
F. G. OBUSAN	SR. BR. ENG'R. R.E.														
M.D. LAXAMANA	SR. LOC. ENG'R														
J. A. TORRALBA	SR. MATL'S. ENG'R. R.E.														
F. C. ROSALES	ADM. OFFICER														
L. P. JOSE	CLERK TYPIST														
T. S. SABABAN	MES'R JANITOR														

SUBPROJECT NO. 10, NAGA-CAROLINA RO

L. D. MAYOR	SR. HWY. ENG'R. R.E.														
B. A. BAUTISTA	MATERIAL'S ENG'R.														
R. L. CLARIDAD	ENG'R INSP. (HWY.)														
E. REYES	ENG'R INSP. (BR.)														
B. P. BAUTISTA	SURVEYOR DRAFTS'N														
H.B. BELLEN	LABORATORY TECH.														
E.C. CASTILLO	LABORER														

N DEVELOPMENT PROJECT
COMPONENTS)

NTS STAFF CONSTRUCTION SUPERVISION

AGE 11

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	MEN
FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	MONTHS
																		24
																		24
																		24
																		24
																		24
																		24
																		24
																		24
															SUB-TOTAL			192

O. 10, NAGA-CAROLINA ROAD

																		24
																		24
																		12
																		24
																		24
																		24
															SUB-TOTAL			132

Bicol River Basin Development Project

Secondary and Feeder Roads

PACKAGE II

Pili-Mataoroc Road Project
Sub-Project No. 5

MONTHLY CONSTRUCTION REPORT

No. 20

April, 1980

Prepared by:

FRANCISCO G. OBUSAN
Sr. Bridge Engr./Res. Engr.

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager

PROGRESS REPORT NO. 20

April, 1980

PROJECT: PILI*MATAOROC ROAD PROJECT (Secondary and Feeder Roads)
SUB*PROJECT NO. 5

1. GENERAL

The main activities this month are on hauling and placing of aggregate subbase in Feeder Roads 501 and 503. Work on structures and drainage system is going on satisfactorily. Detailed activities for each road can be found in succeeding paragraphs.

2. PROGRESS

Favorable weather condition prevailing on the locality enabled the contractor to work on item 108 and other items on structures although, the reduced number of hauling equipment affected the progress of work. Work accomplsihed to date as per contract is 81.90863 % with a time elapsed of 87.9518 %

1. GENERAL (Secondary and Feeder Roads)

The following are included in this Report; List of Contractor's Personnel (Annex A), List of Construction Equipment (Annex "B"); List of Laboratory and Office Equipment (Annex "C"), Employment Generation Survey, Weather Report, Manpower or List of Personnel of the Engineer (Consultants) and Location Map of the Project.

II. a ROADS, BRIDGES AND DRAINAGE STRUCTURES (Secondary Road)

Construction Survey

No activity during the month.

Earthwork

No activity during the month.

Subbase and base

No activity during the month.

Surfacing

No activity during the month.

Structures

No activity during the month.

Physical Accomplishment as of April 25, 1980

a. Roads:

Subgrade - 8.988 Km.
Subbase - 8.200 Km.
Base - 0.450 Km.
Surfacing - None

b. Bridges:

Sub*structure-10 L.M.

R.C. Abut on RC piles

Super-structure- 1 span

10 LM RCDG

Drainage and Erosion Works

The following pipes have been installed as of April 25, 1980.

SIZE Ø	R C P INSTALLED (L.M.) Prev. Mo.	This Mo.	Total	REMARKS
0.30	104.40	-	104.40	
0.46	114.00	-	114.00	
0.61	62.40	-	62.40	
0.91	214.80	-	214.80	
1.20	90.00	-	90.00	

STATION	NUMBER	SIZE	LENGTH
0 + 552.00	5	0.30 M	6.00 M
1 + 013.37	12	0.30 M	14.40 M
1 + 376.30	10	0.30 M	12.00 M
7 + 010.00	11	0.30 M	13.20 M
7 + 525.00	11	0.30 M	13.20 M
8 + 210.00	11	0.30 M	13.20 M
8 + 312.00	13	0.30 M	15.60 M
8 +955 .25	14	0.30 M	16.80 M
TOTAL	87		104.40 M

STATION	NUMBER	SIZE	LENGTH
2 + 912.00	10	0.46 M	12.00 M
4 + 535.00	10	0.46 M	12.00 M
4 + 835.00	10	0.46 M	12.00 M
6 + 100.00	9	0.46 M	10.80 M
6 + 347.73	11	0.46 M	13.20 M
7 + 275.00	11	0.46 M	13.20 M
7 + 407.00	11	0.46 M	13.20 M
7 + 850.00	12	0.46 M	14.40 M
8 + 010.00	11	0.46 M	13.20 M
T O T A L	95		114.00 M
0 + 100.00	10	0.61 M	12.00 M
0 + 300.00	10	0.61 M	12.00 M
1 + 625.00	10	0.61 M	12.00 M
3 + 100.00	10	0.61 M	12.00 M
3 + 525.00	12	0.61 M	14.40 M
T O T A L	52		62.40 M
0 + 750.00	10	0.91 M	12.00 M
1 + 107.39	10	0.91 M	12.00 M
1 + 286.70	10	0.91 M	12.00 M
1 + 993.10	8	0.91 M	9.60 M
2 + 103.42	10	0.91 M	12.00 M
2 + 358.52	10	0.91 M	12.00 M
4 + 700.00	10	0.91 M	12.00 M
5 + 175.00	14	0.91 M	16.80 M
5 + 350.00 2@	12	0.91 M 2 @	14.40 M
5 + 425.00	10	0.91 M	12.00 M
6 + 950.00	11	0.91 M	13.20 M
7 + 475.00	14	0.91 M	16.80 M
8 + 475.00 2@	13	0.91 M 2 @	15.60 M
7 + 710.00	12	0.91 M	14.40 M
T O T A L	179		214.80 M
2 + 760.00	12	1.20 M	14.40 M
5 + 000.00	11	1.20 M	13.20 M
6 + 625.00 2 @	14	1.20 M 2 @	16.80 M
9 + 000.00 2 @	12	1.20 M 2 @	14.40 M
T O T A L	75		90.00 M

6. Materials Testing and Control

ITEM NO.	KIND OF TESTS	NO. OF TESTS Prev. Mo.	This Mo.	Total
105-a	Grading	7	-	7
	PL & LL	7	-	7
	Compaction	7	-	7
	F. Density	-	-	-
105-b	Grading			2
	PL & LL		-	2
106	Grading	1	-	1
	PL & LL	1	-	1
	Compaction	1	-	1
	F. Density	1	-	1
107	Grading	95	-	95
	PL & LL	95	-	95
	Compaction	95	-	95
	F. Density	768	-	768
110	PL & LL	1	-	1
	GRADING	1	-	1
200	Grading	1	-	1
	Compaction	1	-	1
	F. Density	3	-	3
	Sp. Gravity	-	-	1
108	Grading	92	-	92
	PL & LL	92	-	92
	Compaction	92	-	92
	F. Density	252	-	252

402-2.5 (F.A)	Grading	4	-	4
	Sp. Gravity	1	-	1
	Unit Wt.	1	-	1
402-2.5	Grading	4	-	4
	Sp. Gravity	1	-	1
	Unit Wt.	1	-	1
405 - A	Design Mix	2	-	2
405-2.3 (C.A.)	Grading	2	-	2
405-2.2 (F.A.)	Grading	2	-	2
405- C	Design Mix	2	-	2
413 (F.A.)	Grading	4	-	4
	Sp. Gravity	1	-	1
	Unit Wt.	1	-	1
413 (C.A.)	Grading	5	-	5
	Sp. Gravity	1	-	1
	Unit Wt.	1	-	1

DATE	LOCATION OF STRUCTURE	RESULT AFTER 28 days	REMARKS
11-4-78	12" Ø R C P	3060	Passed
-do-	-do-	3450	Passed
-do-	-do-	3520	Passed
11-12-78	18" O/R C P	3145	Passed
-do-	-do-	3415	Passed
11-18-78	36" Ø R C P	2871	Failure
-do-	-do-	3020	Passed
-do-	-do-	3350	Passed
11-24-78	R.C.Test Pile RCDG SAGRADA BRIDGE	3560	Passed
-do-	-do-	3630	Passed
-do-	R.C. Test Pile, RCDG MATAORDC-MANAPAO BRIDGE	3680	Passed
-do-	-do-	3840	Passed
-do-	-do-	3920	Passed
11-25-78	24" Ø R C P	3090	Passed
-do-	-do-	3138	Passed
11-28-78	36" Ø R C P	3111	Passed
-do-	-do-	3334	Passed
12-16-78	48" Ø R C P	3377	Passed
-do-	-do-	3397	Passed
-do-	-do-	3425	Passed
12-18-78	18" Ø R C P	2970	Failure
-do-	-do-	3340	Passed
-do-	-do-	3481	Passed
12-19-78	36" Ø R C P	2614	Failure
-do-	-do-	3160	Passed
-do-	-do-	3457	Passed
12-20-78	48" Ø R C P	3410	Passed
-do-	-do-	3465	Passed
-do-	-do-	4020	Passed
2-12-79	36" Ø R C P	3195	Passed
-do-	-do-	3332	Passed
-do-	-do-	3411	Passed
2-15-79	48" Ø R C P	3000	Passed
-do-	-do-	3040	Passed
-do-	-do-	3087	Passed
2-16-79	12" Ø R C P	3010	Passed
-do-	-do-	3444	Passed
-do-	-do-	3516	Passed
3-13-79	RCP, RCDG, SAGRADA BRIDGE	3562	Passed
-do-	-do-	3843	Passed
-do-	-do-	4108	Passed

DATE	LOCATION OF STRUCTURE	RESULT AFTER 28 Days	REMARKS
3-13-79	24" Ø R C P	3,740	Passed
-do-	-do-	3,252	Passed
-do-	-do-	2,814	Failure
3-20-79	36" Ø R C P	3,462	Passed
-do-	-do-	3,149	Passed
-do-	-do-	3,432	Passed
3-23-79	48" Ø R C P	2,979	Failure
-do-	-do-	3,318	Passed
-do-	-do-	3,410	Passed
4-2- 79	18" Ø R C P	3,065(15 days)	Passed
-do-	-do-	3,243 -do-	Passed
-do-	-do-	3,255 -do-	Passed
5-5- 79	36" Ø R C P	3,106(12 days)	Satisfactory
-do-	-do-	3,420 -do-	Satisfactory
-do-	-do-	3,516 -do-	-do-
5-7- 79	48" Ø R C P	3,296(33 days)	-do-
-do-	-do-	2,748 -do-	Failure
5-9- 79	18" Ø R C P	3,623(31 days)	Satisfactory
5-12-79	36" Ø R C P	2,830	Failure
-do-	-do-	2,655	-do-
-do-	-do-	2,604	-do-
5-17-79	36" Ø R C PP	2,892(23 days)	Satisfactory
-do-	-do-	2,970 Ave.2936	Satisfactory
-do-	-do-	2,946	-do-
5-19-79	12" Ø R C P	3,203(21 days)	Passed
-do-	-do-	2,989 3028	Compressive
-do-	-do-	2,892	Strength requirement
6-7-79	Abutment "A SAGRADA BRIDGE	3,382(32 days)	Passed compressive
-do-	-do-	3,125 Ave.3,389	Strength requirement
-do-	-do-	3,661	
6-23-79	Abutment A&B SAGRADA BRIDGE	3,358 (20 days)	
-do-	BACKWALL & WINGWALL	2,799 Ave. 3,182	-do-
-do-	-do-	3,389	
7-10-79	36" Ø R C P	2,799 Ave.3,431	-do-
-do-	-do-	4,245	
-do-	-do-	3,167	
7-12-79	48" Ø R C P	3,856 (18 days)	
-do-	-do-	3,452 Ave.3,825	-do-
-do-	-do-	4,167	
7-18-79	18" Ø R C P	2,892(14 days)	Satisfactory
-do-	-do-	2,923 Ave.2,853	for 23 days
-do-	-do-	2,744	

8-4-79 -do- -do-	Item 405 Sagrada Bridge Girders)	3,415	Passed compressive Strength requirement
8-4-79 -do-	Test Pile FR #501 TTr Br. Sta. 0+215 0+224 -do-	3,260	Passed compressive Strength requirement
8-6-79 -do- -do-	Test Pile FR #501 TTr Br. Sta. 1+367- 1+365 -do-	2,565	Failure
8-10-79 -do- -do-	Item 405 Sagrada Bridge (Slab)	3,295	Passed compressive Strength requirement
8-21-79 -do- -do-	Sagrada Bridge Railing -do-	3,439	Passed compressive Strength requirement
8-25-79 -do- -do-	Test Pile for TbTe sta. 1+880 FR 502 -do-	3,478	-do-
8-28-79 -do- -do-	RCBC, sta. 4 +000 -do-	3,322	-do-
9-1-79 -do- -do-	Test Pile for TbTe sta. 1 +433 FR 504 -do-	3,485 (55 days)	-do-
9-28-79 -do- -do-	RCP, 0.91 M Ø -do- -do-	3,156 (27 days)	-do-
10-12-79 -do- -do-	RCP, 0.30 M Ø -do- -do-	3,195 (13 days)	-do-
10-12-79 -do- -do-	RCP, 0.61 M Ø -do- -do-	3,247 (13 days)	-do-

10-15-79	RCP, 0.61 M Ø		
-do-	-do-	3,021 (10days)	Satisfactory
-do-	-do-		
10-16-79	RCP, 0.30 M Ø		
-do-	-do-	3,080 (9days)	Satisfactory
11-7-79	RCP, 1.20 M Ø		
-do-	-do-	3,250 (15days)	Passed compressive strength requirement
11-10-79	RCP, 0.46 M Ø	3,174 (12days)	-do-
-do-	-do-		-do-
-do-	-do-		
11-11-79	RCP, 1.20 M Ø		
-do-	-do-	3,212 (11days)	-do-
-do-	-do-		
11-15-79	RCBC, Km. + 417.50	3,107 (19days)	Passed Compressive strength requirement
-do-	F. D. 504 San Jose-San Ramon		
-do-	-do-		
11-22-79	Headwall, Km. 6 + 950	2,838 (12days)	Passed compressive strength requirement for 28 days
11-23-79	Headwall, Km. 9 + 400	2,910 (11days)	-do-
-do-	Secondary Road		
-do-	-do-		
12-6-79	RCBC Km. 5 + 975	3,133 (36days)	Passed compressive strength requirement
-do-	Secondary Road		
-do-	-do-		
12-10-79	RCBC, Km 6 + 200	3,154 (32days)	Passed compressive strength requirement
-do-	Secondary Road		
-do-	-do-		
12-11-79	18" Ø R C P	3,488 (31days)	-do-
-do-	-do-		
-do-	-do-		
12-12-79	48" Ø R C P	3,418 (30days)	-do-
-do-	-do-		
-do-	-do-		
1-7-80	Bearing Piles	3,268 (32days)	
-do-	-do-		
-do-	-do-		
1-9-80	48" Ø R C P	3,366 (30 days)	
-do-	-do-		
-do-	-do-		

Additional this month

2/3/80 -do- -do-	Bearing pile, Km.1+404-442 FDR # 504	Ave.3,369 (33days)	Passed compressive strength requirement
3/3/80 -do- -do-	Capping #2-3, Km.1+871-889 FDR # 502	Ave.3,200 (30days)	-do-
3/4/80 -do- -do-	Capping #1-4, Km.1+871-889 FDR#502	Ave.3,161 (29 days)	-do-
3/5/80 -do-	Headwall, Km.1+993.10 Secondary Road	Ave.3,261 (28 days)	-do-
3/5/80	Wingwall, Km.4+000 Secondary Road	3,226 (28 days)	-do-
3/7/80	Headwall Km. 0+650 FDR # 501	3,164 (26 days)	-do-
3/7/80 -do-	Headwall, Km. 0+848 FDR # 501	3,172 (26 days)	-do-
3/20/80 -do- -do-	12" Ø RCP -do- -do-	Ave.3,208 (13 days)	-do-
2/25/80 -do- -do-	Capping #1,2,4, Km.1+424 FDR # 504	Ave.3,299 (23 days)	-do-
3/28/80 -do- -do-	Capping #3, Km.1+424 FDR # 504	Ave.3,208 (20 days)	-do-
3/28/80 -do- -do-	Headwalls Km. 3+158 FDR # 501	Ave.3,321 (20 days)	-do-
3/31/80 -do- -do-	TEST PILE, Km.6+147.00 FDR #501, BALIWAG SIDE	Ave.3,190 (17 days)	-do-
4/1/80 -do-	TEST PILE, Km.6+045.00 FDR #501, MAHAPAO SIDE	Ave.3,210 (16 days)	-do-

II. b ROADS, BRIDGES AND DRAINAGE STRUCTURES
(Mataoroc*Manapao*Baliwag, Feeder Road No.501)

Construction Survey

Checking of elevation for placing of item 108 from sta. 2 + 100 to 4 + 500.

Earthwork

Hauling and placing of item 107 at various sta. to correct grade elevation before placing of item 108.

Subbase

Placing of item 108 from sta. 1 + 050 to 4 + 100.

Structures

Construction of substructure of TbTe bridge at sta. 0 + 221.

Physical Accomplishment as of April 25, 1980

a. Roads

Subgrade - 6.970

Subbase - 4.300

Base -

Surfacing -

b. Bridges:

Substructure - 6 L.M. TbTe br. on RC Abut

Superstructure -

Drainage and Erosion Works

The following pipes have been installed as of April 25, 1980.

SIZE	R C P INSTALLED (L.M.) Prev.Mo.	This Mo.	T o t a l	REMARKS
0.30	54.00	-	54.00	
0.46	87.60	10.80	98.40	
0.61	9.60	-	9.60	
0.91	54.00	-	54.00	
1.20	184 .80	34.80	219 .60	

STATION	NUMBER	SIZE	LENGTH
1 + 727.00	8	0.30 M	9.60 meters
2 + 147.00	6	0.30 M	7.20 "
2 + 587.00	6	0.30 M	7.20 "
2 + 656.00	6	0.30 M	7.20 "
2 + 800.00	6	0.30 M	7.20 "
4 + 495.00	13	0.30 M	15.60 "
T O T A L	45		54.00 meters
1 + 775.00	8	0.46 M	9.60 "
3 + 749.50	4	0.46 M	4.80 "
3 + 908.00	9	0.46 M	10.80 "
4 + 140.00	9	0.46 M	10.80 "
5 + 754.00	9	0.46 M	10.80 "
6 + 320.00	13	0.46 M	15.60 "
6 + 473.00	11	0.46 M	13.20 "
7 + 034.00	10	0.46 M	12.00 "
7 + 163.00	9	0.46 M	10.80 "
T O T A L	82		98.40 "
2 + 013.00	8	0.61 M	9.60 meters
0 + 650.00	9	0.91 M	10.80 "
1 + 550.00	10	0.91 M	12.00 "
3 + 150.00	9	0.91 M	10.80 "
3 + 034.00	9	0.91 M	10.80 "
4 + 750.00	8	0.91 M	9.60 "
T O T A L	45		54.00 meters
0 + 840.00	11	1.20 M	13.20 "
1 + 114.50 2@	14	1.20 M 2@	16.80 "
2 + 257.00	10	1.20 M	12.00 "
2 + 440.00 2@	12	1.20 M 2@	14.40 "
5 + 500.00	9	1.20 M	10.80 "
5 + 703.20	10	1.20 M	12.00 "
5 + 821.40	10	1.20 M	12.00 "
6 + 000.00	9	1.20 M	10.80 "
6 + 718.00	9	1.20 M	10.80 "
6 + 800.00	10	1.20 M	12.00 "
7 + 050.00	10	1.20 M	12.00 "
6 + 200.00	10	1.20 M	12.00 "
6 + 410.00	11	1.20 M	12.00 "
6 + 588.00 2 @	11	1.20 M 2@	13.20 "
T O T A L	183		219.60 meters

Materials Testing and Control

ITEM NO.	KIND OF TEST	NO. OF TEST Prev. No.	This No.	Total	REMARKS
107	Grading	39	8	47	
	PL & LL	39	8	47	
	Compaction	44	8	52	
	F. Density	222	24	246	
105	Grading	1	-	1	
	PL & LL	1	-	1	
	Compaction	1	-	1	
	F. Density	4	-	4	
105-b	Grading	1	3	4	
	PL & LL	1	3	4	
108	Grading	4	8	12	
	PL & LL	4	8	12	
	Compaction	4	8	12	
	F. Density	14	24	38	
402-2.2	Grading	2	-	2	
402-2.3	Grading	2	-	2	
	Design Mix	2	-	2	

II. c ROADS, BRIDGES AND DRAINAGE STRUCTURES

(Sagrada-San Isidro, Feeder Road No. 502)

Construction Survey

No activity during the month.

Earthwork

No activity during the month.

Subbase and Base

No activity during the month.

Structures

No activity during the month.

Physical Accomplishment

a. Roads:

Subgrade - 2.037
Subbase - 1.800
Base
Surfacing -

b. Bridges:

Substructure - 3 span 6 L.M.
TbTe RC piles bent
Superstructure -

Drainage and Erosion Works

The following pipes hage been installed as of April 25, 1980

SIZE	R C P INSTALLED (L.M.) Prev. Mo.	This Mo.	Total
0.46	9.60	-	9.60
0.61	21.60	-	21.60
1.20	9.60	-	9.60

STATION	NUMBER	SIZE	LENGTH
0 + 616.00	8	0.46 M	9.60 M
0 + 050.00	10	0.61 M	12.00 M
1 + 146.00	8	0.61 M	9.60 M
T O T A L	18		[illegible] M
1 + 563.00 28	8	1.20 M	9.60 M

Materials Testing and Control

ITEM NO.	KIND OF TEST	NUMBER OF TEST Prev.Mo.	This Mo.	Total	REMARKS
105-B	Grading	1	-	1	
	LL & PL	1	-	1	
107	Grading	12	-	12	
	LL & PL	12	-	12	
	Compaction	12	-	12	
	F. Density	110	-	110	
405-2.2 (FA)	Grading	2	-	2	
405-2.3 (CA)	Grading	2	-	2	
405 cl. "C"	Design Mix	2	-	2	
402-2.5	Test Pile Report	1	-	1	
108	Grading	2		2	
	LL & PL	2		2	
	Compaction	2	-	2	
	Density	6	-	6	

II. d ROADS, BRIDGES AND DRAINAGE STRUCTURES
(Manapao*Malitbog, Feeder Road No. 503)

Construction Survey

Checking of elevation from sta. 0 + 077 to 1 + 000 in preparation for placing of item 107 & item 108.

Earthwork

Hauling and placing of item 107 from sta. 0 + 125 to sta. 0 + 775.

Subbase

Hauling and placing of item 108 from sta. 0 + 077 to sta. 0 + 775.

Structures

No activity during the month.

Physical Accomplishment

a. Roads:

Subgrade - 1.493
Subbase - 0.673
Base -
Surfacing -

b. Bridges:

Substructure
Super*structure

Drainage and Erosion Works

The following pipes have been installed as of April 25, 1980

SIZE Ø	R C P INSTALLED (L.M.) Prev. No.	This No.	Total
0.61	32.40	-	32.40
0.91	10.80	-	10.80
1.20	21.60	-	21.60

STATION	NUMBER	SIZE	LENGTH
0 + 500.00	9	0.61 M	10.80 M
0 + 775.00	9	0.61 M	10.80 M
0 + 552.00	9	0.61 M	10.80 M
T O T A L	27		32.40 M

0 + 050.00	9	0.91 M	10.80 M
0 + 927.00	9	1.20 M	10.80 M
1 + 106.00	9	1.20 M	10.80 M
T O T A L	18		21.60 M

Materials Testing and Control

ITEM NO.	KIND OF ITEM	KIND OF TEST Prev. No.	This No.	Total	REMARKS
107	Grading	9	2	11	
	PL Ø LL	9	2	11	
	Compaction	9	2	11	
	F. Density	27	6	33	
105-B	Grading	2		2	
	LL & PL	2		2	
108	Grading	-	3	3	
	PL & LL	-	3	3	
	Compaction	-	3	3	
	F. Density	-	9	9	

II. e ROADS, BRIDGES AND DRAINAGE STRUCTURES
(San-Jose*San Ramon Feeder Road No. 504)

Construction Survey

No activity during the month.

Earthwork

No activity during the month.

Subbase and Base

No activity during the month.

Structures

No activity during the month.

Physical Accomplishment

a. Roads:

Subgrade - 1.864

Subbase - 1.280

b. Bridges:

Substructure - 3 span 6M TbTe bridge

Superstructure -

Drainage and Erosion Works

The following pipes have been installed as of April 25, 1980

Drainage and Erosion Works

The following pipes have been installed as of March 25, 1980.

SIZE Ø	R C P INSTALLED (B. M.) Prev. Mo.	This Mo.	Total	REMARKS
0.60	21.60	-	21.60	
0.90	21.60	-	21.60	
1.20	9.60	-	9.60	

STATION	NUMBER	SIZE	LENGTH
0 + 725.00	8	0.61 M	9.60 M
0 + 860.00	10	0.61 M	12.00 M
T O T A L	18		21.60 M
0 + 000.00	10	0.91 M	12.00 M
0 + 550.00	8	0.91 M	9.60 M
T O T A L	18		21.60 M
0 + 1325.00	8	1.20 M	9.60 M

Materials Testing and Control

ITEM NO.	KIND OF TESTS	NO. OF TESTS Prev.Mo.	This Mo.	Total	REMARKS
105- A	Grading	6	-	6	
	PL & LL	6	-	6	
	Compaction	6	-	6	
	F. Density	32	-	32	
107	Grading	4	-	4	
	PL & LL	4	-	4	
	Compaction	4	-	4	
	F. Density	21	-	21	
108	Grading	4	-	4	
	PL & LL	4	-	4	
	Compaction	4	-	4	
	F. Density	6	-	6	
405 - 2.2 (FA)	Grading	2	-	2	
405 - 2.2 (CA)	Grading	2	-	2	
405 - C	Design Mix	1	-	2	

COMMENTS AND RECOMMENDATIONS

The reduced number of hauling equipment due to withdrawal of the private hauler's equipment this April affected to a considerable degree the hauling and placing of items 107 and 108, thus it is suggested that more dump trucks be used to take advantage of the favorable weather in the locality. Likewise, the unavailability of materials like lumber and asphalt delays work on superstructure of timber trestle bridges and asphalting respectively.

One of the four test piles for the 17 span timber trestle bridge at Feeder Road 501 had been driven with resulting bearing power much greater than the required 18 US tons.

WEATHER REPORT

PROJECT: PILI*MATAOROC ROAD PROJECT

Sub*Project No. 5

Date 1980	Weather	Remarks	Time Extension Recommended
Mar. 26	Cloudy with reasona le rain	Unworkable	One (1) day
27	Fair	Workable	None
28	Fair	Workable	None
29	Dry	Workable	None
30	Dry	Workable	None
31	Dry	Workable	None
Apr. 1	Cloudy AM, light shower in PM	Workable	None
2	Fair	Workable	None
3	Dry	Workable	None
4	Dry	W orkable	None
5	Dry	Workable	None
6	Cloudy AM, shower in late PM	Workable	None
7	Fair	Workable	None
8	Fair	Workable	None
9	Dry	Workable	None
10	Dry	Workable	None
11	Dry	W orkable	None
12	Dry	Workable	None
13	Dry	Workable	None
14	Dry	Workable	None
15	Dry	W orkable	None
16	Dry	Workable	None
17	Dry	Workable	None
18	Cloudy AM, rain early PM	Workable	None
19	Fair	Workable	None
20	Fair	Workable	None
21	Dry	Workable	None
22	Dry	Workable	None
23	Dry	Workable	None
24	Dry	W orkable	None
25	Dry	Workable	None

- -

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH - 1 day

TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY - 147 days

GRAND TOTAL TO DATE - - - - - - - - - - - - - - - - - 148 days

DATE OF EFECTIVITY OF CONTRACT - - - September 18, 1978

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR A. B. AGUINALDO CONSTRUCTION, INC.

FOR THE MONTH OF APRIL, 19 80

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED 1/	4	1	13	0
LOCAL - HIRED 2/	2	8	19	1
SUB-CONTRACTORS 3/	0	0	3	9
T O T A L	6	9	35	10

1/ Includes permanent employees

2/ Employees residing within the Basin Area

3/ Local Hired Only

Submitted By:

/vlc

Project Engineer

A. B. AGUINALDO CONSTRUCTION, INC.
Pili-Mataoroc Road Project
Sub-Project No. 5, Package II, BRSDP
Tagbong Field Office
Tagbong, Pili, Camarines Sur

LIST OF PERSONNEL
As of April, 1980

	NAME	POSITION	QUALIFICATION
		I. TECHNICAL STAFF	
1.	Ramon Bautista	Project Manager	Civil Engineer
2.	Emilio Angeles	Project Engineer	-do-
3.	Emiliano Galvez	Mechanical Engineer	Mechanical Engr.
4.	Lorna Villarey	CE Aide	Experienced
5.	Eduardo Lopez	CE Aide	Experienced
6.	Antonio Alapan	Const. Foreman	Experienced
		II. ADMINISTRATIVE STAFF	
1.	Remegio Espada	Adm. Officer	A. B. Graduate
2.	Rossana Espada	Clerk/Typist	Experienced
3.	Mario Yulip	Courier	-do-
4.	Antonio Lapastora	Materials Checker	-do-
		III. MECHANICAL DEPARTMENT	
1.	Cesar Aquino	Acctg. Chief Mechanic	Experienced
2.	Petronilo Amaro	W e l d e r	-do-
3.	Quirico Marjolino, Jr.	Mechanic	-do-
4.	Ciriaco Deguito	-do-	-do-
5.	Onofre Mota	Electrician	-do-
6.	Petronilo Evangelista	W e l d e r	-do-
7.	Victor Sandagon	Batteryman	-do-
8.	Wenceslao Belano	Tireman	-do-
9.	Melchor Serrano	Fuel Tender	-do-
10.	Gregorio Aguilar	Mechanic	-do-
		IV. DRIVERS	
1.	Oligario Labayane	D. T. Driver	Experienced
2.	Dante Deo	-do-	-do-
3.	Rodolfo Ansay	-do-	-do-
4.	Benjamin Obrero	-do-	-do-
5.	Roden Jayco	Service Driver	-do-
6.	Rogelio Colluda	-do-	-do-
7.	Flor Barra	-do-	-do-
8.	Jaime Rambuyon	-do-	-do-

V. SURVEY TEAM

1.	Pedro Collada	Instrumentman	Experienced
2.	Santos Temporal	Chainman	-do-
3.	Pedro Olivares	Survey Aide	-do-

VI. LABORATORY

1.	Santiago Macario	Laboratory Aide	Experienced
2.	Pedro Preconcillo	-do-	-do-
3.	Loreto San Buenaventura	-do-	-do-

VII HEAVY EQUIPMENT OPERATORS

1.	Virgilio Tosposo	Crusher Operator	Experienced
2.	Quintin Elemos	Crane Operator	-do-
3.	Federico de la Cruz	BD Operator	-do-
4.	Lemeul Moreno	-do-	-do-
5.	Benjamin Baron	PL Operator	-do-
6.	Pedro Custorio	Dynapac Operator	-do-
71	Jose Harochoc	Grader Operator	-do-

VIII. RCP WORKERS

1.	Paquito Diaz	Foreman	Experienced
2.	Roberto Dawal	Mason	-do-
3.	Salvador Dawal	Mason	-do-
4.	Jose Dawal	Laborer	-do-
5.	Ernesto Bata	-do-	-do-
6.	Domingo Maron	-do-	-do-
7.	Valintin	-do-	-do-
8.	Benjamin Buban	-do-	-do-
9.	Jesus Malante	-do-	-do-
10.	Ramon Barcia	-do-	-do-
11.	Juan Bavelonia	-do-	-do-
12.	Angel Paelo	-do-	-do-

IX BRIDGE GANG

1.	Alberto Bayos	Carpenter/Mason	Experienced
2.	Gaudencio Larcena	-do-	-do-
3.	Inocentes Layderos	-do-	-do-
4.	Romulo Villaluz	Riggerman	-do-
5.	Armando Asma	-do-	-do-

SUBMITTED BY:

(SGD.) RAMON M. BAUTISTA
Project Manager

Annex "B"

A. B. AGUINALDO CONSTRUCTION, INC.
PILI-NATAOROC ROAD PROJECT
SUB-PROJECT NO. 5
Pili, Camarines Sur

LIST OF EQUIPMENTS
As of April, 1980

1 unit - Bulldozer, D60 Komatsu

2 units- Bulldozer D7 Caterpillar

2 units- Payloader, 950 Caterpillar

1 unit - 32 - Ton Truck Mounted Crane

1 unit - Road Grader, Komatsu

1 unit - KB - 25 Pile Hammer

1 unit - 3 Wheeled Roller, Galeon

1 unit - Self-propelled sheepsfoot roller, Euclid 101

1 unit - Welding Machine, Continental

1 unit - Self-propelled vibro compactor, Dynapac CA-25

1 unit - Generator, 3KW, Yammar Diesel Engine driven

1 unit - ½ HP Goulds Water Pump, 4 HP Kholer Engine Driven

1 unit - 1 Bagger Concrete Mixer

1 unit - Bar Cutter

1 unit - 1½ Top Drop Hammer

1 unit - Toyota Land Cruiser (Service Vehicle)

2 units- Toyota Hi-Lux (Service Vehicle)

1 unit - 6 - Wheeler Dump Truck, Hino

1 unit - 6 - Wheeler Dump Truck, Isuzu

4 units- 10 - Wheeler Dump Truck, Isuzu

6 units- 10 - Wheeler Dump Trucks, IH (private haulers)

1 unit - Rock crusher, primary and secondary

Annex "C"

LIST OF LABORATORY EQUIPMENTS
As of April, 1980

8 - inch Brass Sieve Size 3"	1	ea.
8 - inch Brass Sieve Size 2½	1	ea.
8 - inch Brass Sieve Size 2"	1	ea.
8 - inch Brass Sieve Size 1"	1	ea.
8 - inch Brass Sieve Size 3/4"	1	ea.
8 - inch Brass Sieve Size ½"	1	ea.
8 - inch Brass Sieve Size 1/8"	1	ea.
8 - inch Brass Sieve Size #4	1	ea.
8 - inch Brass Sieve Size #8	1	ea.
8 - inch Brass Sieve Size #10	1	ea.
8 - inch Brass Sieve Size #16	1	ea.
8 - inch Brass Sieve Size #30	1	ea.
8 - inch Brass Sieve Size #40	1	ea.
8 - inch Brass Sieve Size #50	1	ea.
8 - inch Brass Sieve Size #100	1	ea.
8 - inch Brass Sieve Size #200	1	ea.
8 - inch Dia, Brass Cover less ring	1	ea.
8 - inch Dia, Brass pan	1	ea.
8 - inch Wet Washing Sieve #200	1	ea.
Sample Splitter 2½" chute width	1	ea.
Sample Splitter 1¼ chute width	1	ea.
Heavy Duty Solution Balance, 1 gram se,	1	ea.
Triple Beam Balance , 0.1 gram sen.	1	ea.
Micrometer Noise Balance, 0.5 gram sen.	1	ea.
Drying Oven	1	ea.
2 - Burner LPG Stove w/ regulator and tank	1	ea.
Volumetric Flask, 250 ML	5	pcs.
Volumetric Flask, 500 ML	3	pcs.
Liquid Limit Device w/ Grooving Tool	2	pcs.
Plastic Limit set	2	pcs.
Rectangular pan 4" x 2" x 10"	8	pcs.
Square Pan 18" x 18"	14	pcs.
Moisture Cans, 3 Ounces	3	doz.
Hand Operated Shaker	1	set
Modified Compaction Mold, 1/13.33	2	sets
Modified Compaction Mold 1/30	1	set
Compaction Hammer, 5.5 lbs.	1	set
Compaction Hammer, 10 lbs.	1	set
Sand Cone Apparatus and Jug	2	sets
Field Density Plate	2	pcs.
4" Steel grill	2	pcs.
Rubber Mallet	2	pcs.
Sand Scoop (small)	2	pcs.
Sand Scoop (large)	2	pcs.

Yield Buckets, 1/10 cu. ft.	2	pcs.
Yield Buckets ½ cu.ft.	1	ea.
Tampering Rod	1	ea.
Slump Cone w/ Base and Tampering Rod	1	set
Heavy Duty Cylinder Mold with Base	1	set
Cylinder Molds	3	sets
Laboratory Thermometer	1	ea.
Stop Watch	1	ea.
Spatula	2	pcs.
Field Scale, 10 kilos max.	1	ea.
Rectangular Pan 4" x 4" x 10	2	pcs.
Wire Basket	1	ea.
Work Table, 1.20 x 2.40 M	1	ea.
Simple Wooden Chairs	6	
Wooden Office Desks	3	pcs.
Counter with G.I. sink	1	set
Wooden F ling Cabinet	1	ea.

LIST OF OFFICE EQUIPMENTS

As of April, 1980

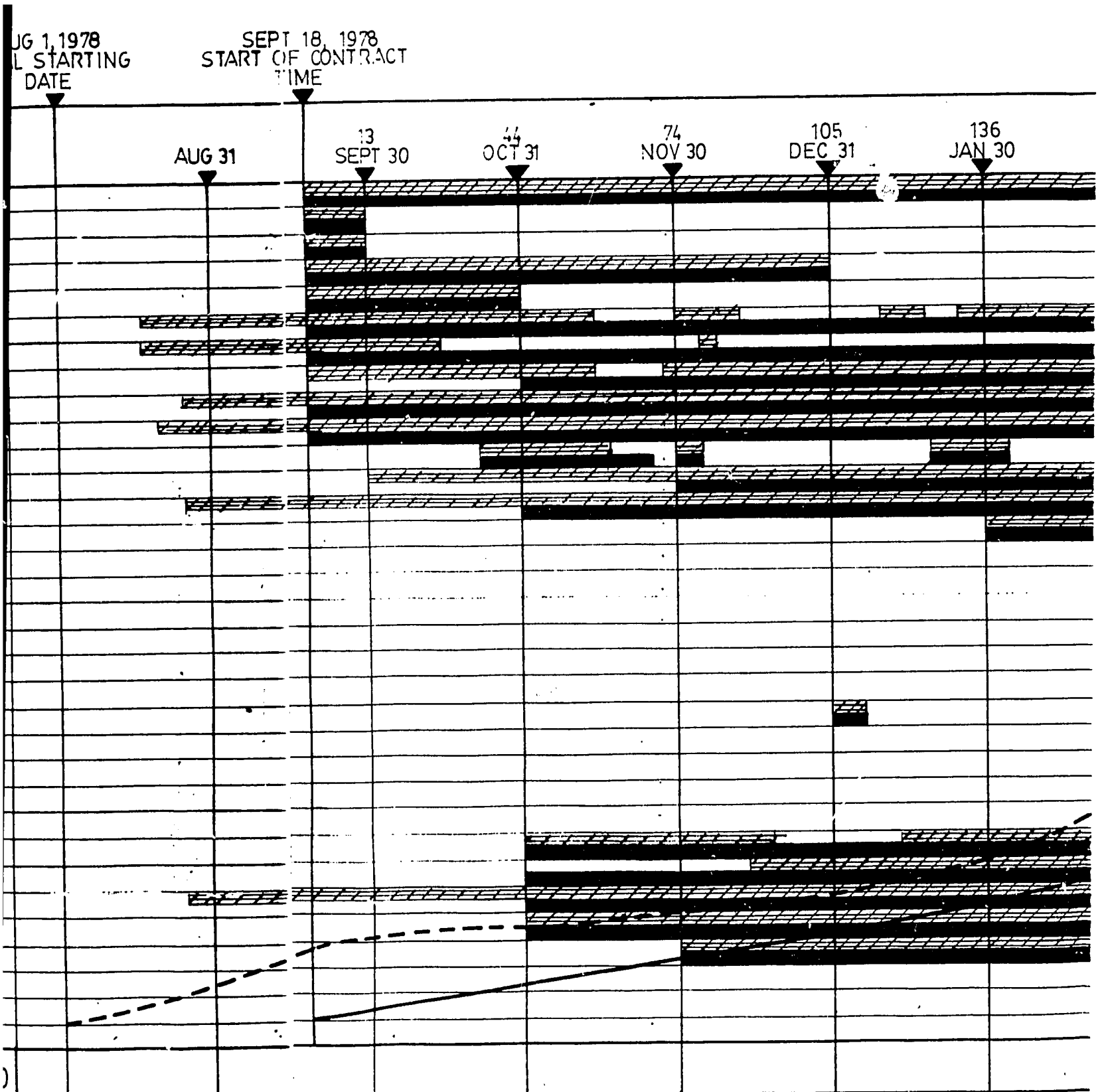
Typewriter, 18" Carriage (Olympia	1	ea.
Wooden Office Desk	5	pcs.
Simple Wooden Chairs	6	pcs.
Typist Desks	2	pcs.
Drafting Table	1	ea.
Drafting Tool	1	ea.
Wooden Filing Cabinet	1	ea.

PAY ITEM	DESCRIPTION	ESTIM. AT SCHEDULED
1.60.2	Provide and Maintain Lab and Office for Engineer	0.22606
1.60.3	Provide and Maintain one (1) four wheel drive vehicle for Engineer	0.39111
1.60.4	Provide and Maintain one (1) unit utility vehicle for Engineer	0.16948
1.60.4-1	Maintain, Operate and Repair for one (1) utility vehicle for Engineer	0.07301
1.60 5	Laboratory and Office Equiptment for Engineer (As Listed)	0.31289
100	Clearing and Grubbing	0.93573
105	Roadway and Drainage Excavation	2.80556
105-4	Excavation of Unsuitable Materials	7.30136
106	Excavation for Structures	0.23955
107	Borrow	22.26691
107-1	Borrow	19.10307
108	Aggregate Sub-base	17.37571
110	Foundation Fill	0.04302
111	Overhaul (300 M) Freehaul	0.00133
200	Aggregate Base Course	4.85367
302	Medium Curing Cutback Asphalt, Grade MC-I for Bit Prime Coat	1.72479
314-1	Aggregate Material for BST (Hot Asphalt Type)	0.90659
314-3	85-100 Penetration Asphalt Cement for BST (Hot Asphalt Type)	3.31335
401	Timber (Detour) Trestle (Superstructure only) on Concrete Pile Bent	2.30754
402.5	Precast Concrete Piles	5.74018
402.5-1	Concrete Test Piles (Furnish and Drive)	0.84740
403	Concrete Railing	0.01825
405	Concrete Class "A" (Miscellaneous)	2.64468
405-1	Concrete Class "A" (Bridge)	0.77244
406	Reinforcing Steel	1.47931
413	0.30 M Ø Reinforced Concrete Pipes	0.14839
413 1	0.46 M Ø Reinforced Concrete Pipes	0.31403
413 2	0.60 M Ø Reinforced Concrete Pipes	0.13741
413 3	0.90 M Ø Reinforced Concrete Pipes	1.30820
413 4	1.20 M Ø Reinforced Concrete Pipes	2.10964
500	Riprap and Grouted	0.04172
510	Right of Way Marker	0.08762
	TOTAL	100.0000
	THIRTY (30) DAY PERIODICAL	
	CUMULATIVE TOTAL AMOUNT	

AUG 1,
ACTUAL ST
DAT

ESTIMATED % WEIGHT						
SCHEDULED	ACCOMPLISHED PROJECT	ACCOMPLISHED ITEM	QUANTITY	UNIT COST	AMOUNT	
0.22606	.26595	117.65	17 Mos.	2,040.00	34,680.00	
0.39111	.39110	100.00	1	60,000.00	60,000.00	
0.16948	.16948	100.00	1	26,000.00	26,000.00	
0.07301	.07301	100.00	4 Mos.	2,800.00	11,200.00	
0.31289	.31289	100.00	1	48,000.00	48,000.00	
0.93573	.93573	100.00	31.90 Has.	4,500.00	143,550.00	
2.80556	.21465	78.93	21,520 Cu M	20.00	430,400.00	
7.30136	.08519	124.43	38,960 Cu M	28.75	1,120,100.00	
0.23955	.18100	75.56	1,750. Cu M	21.00	36,750.00	
22.26691	.95756	107.59	116,985 Cu M	29.20	3,415,962.00	
19.10307	.74252	119105	85,690 Cu M	34.20	2,930,598.00	
17.37571	.38100	77.01	46,765 Cu M	57.00	2,665,605.00	
0.04302	.03991	92.78	165 Cu M	40.00	6,600.00	
0.00133	.00130	98.00	680 Cu M	0.30	204.00	
4.85367	.11733	2.42	12,410. Cu M	60.00	744,600.00	
1.72479			84 M.T.	3,150.00	264,600.00	
0.90659			1,159 M.T.	120.00	139,080.00	
3.31335			170 M T	2,990.00	508,300.00	
2.30754			30 Span	11,800.00	354,000.00	
5.74018	.59053	29.28	1,258 L.M.	700.00	880,600.00	
0.84740	.59318	70.00	10 Ea.	13,000.00	130,000.00	
0.01825	.01825	100.00	20 L M	140.00	2,800.00	
2.64468	.64506	24.39	588 Cu M	690.00	405,720.00	
0.77244	.37931	49.11	150 Cu M	790.00	118,500.00	
1.47931	.52865	35.74	32,890 Kgs	6.90	226,941.00	
0.14839	.14071	100.00	157 L M	145.00	22,765.00	
0.31403	.20[illegible]5	94.47	235 L M	205.00	48,175.00	
0.13741	.32712	238.06	62 L M	340.00	21,080.00	
1.30820	.19766	91.55	329 L M	610.00	200,690.00	
2.10964	.19278	103.45	348 L M	930.00	323,640.00	
0.04172	.04172	100.00	40 Cu M	160.00	6,400.00	
0.08752			286 Ea	47.00	13,442.00	
100.0000	81.00880 AS OF APRIL 25, 1980				15,340,982.00	
PERIODICAL	[illegible] = 87.95%					
TAL AMOUNT						

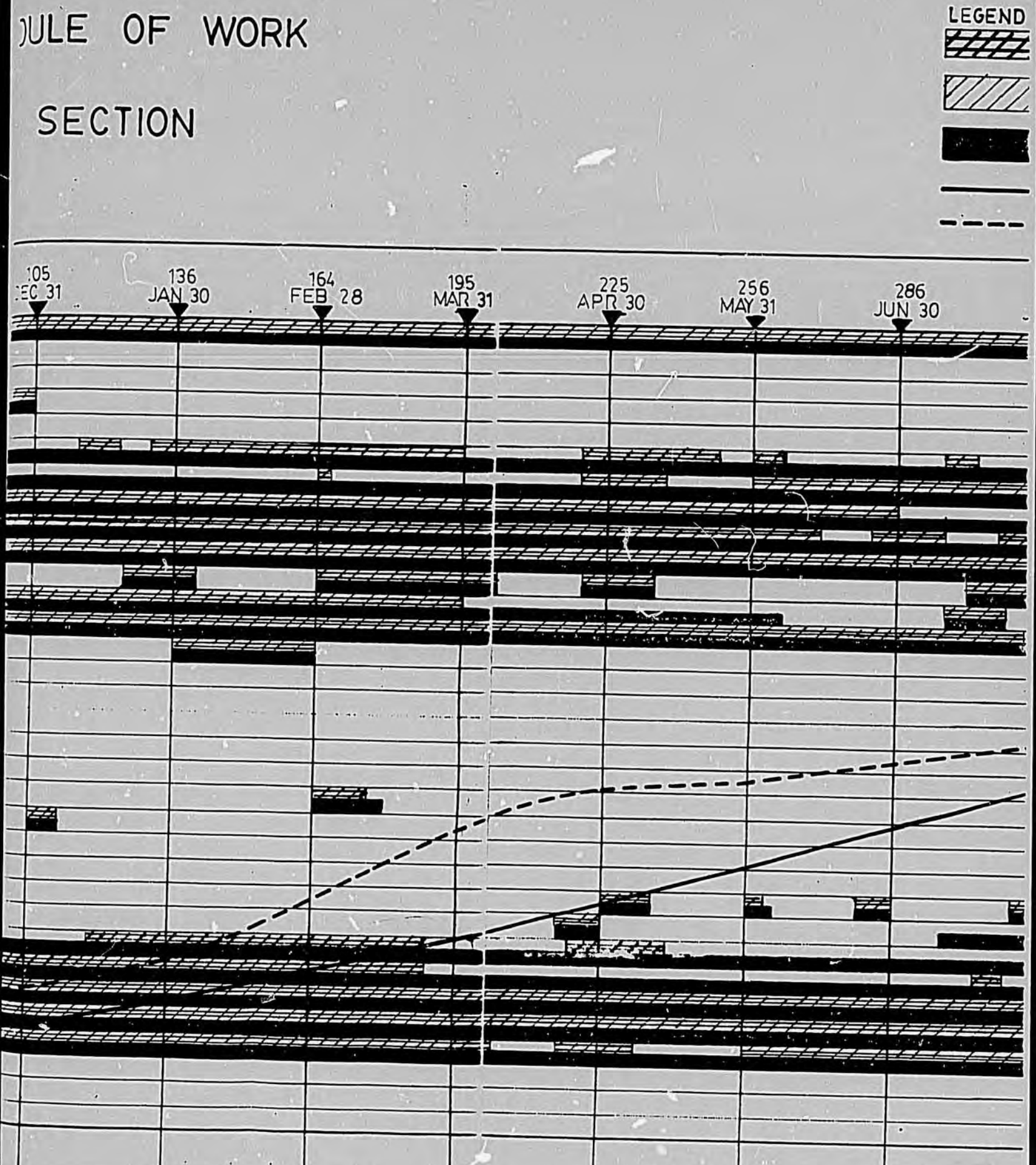
REVISED BAR SCHEDULE OF WORK
OF
PILI-MATAOROC ROAD SECTION



	23	234	155.04	386,007.93	574,608.95	740,611.36	823,763.49	677,862
		234	155.04	620,162.97	1,194,771.92	1,935,383.28	2,759,146.77	3,437,00

)ULE OF WORK

SECTION



823,763.49	677,862.76	956,498.41	320,274.50	733,528.74	463,006.53	618,538.23
2,759,146.77	3,437,009.53	4,393,507.94	5,213,782.44	5,947,311.18	6,410,317.71	7028,855.94

LEGEND

PREVIOUS ACCOMPLISHMENT

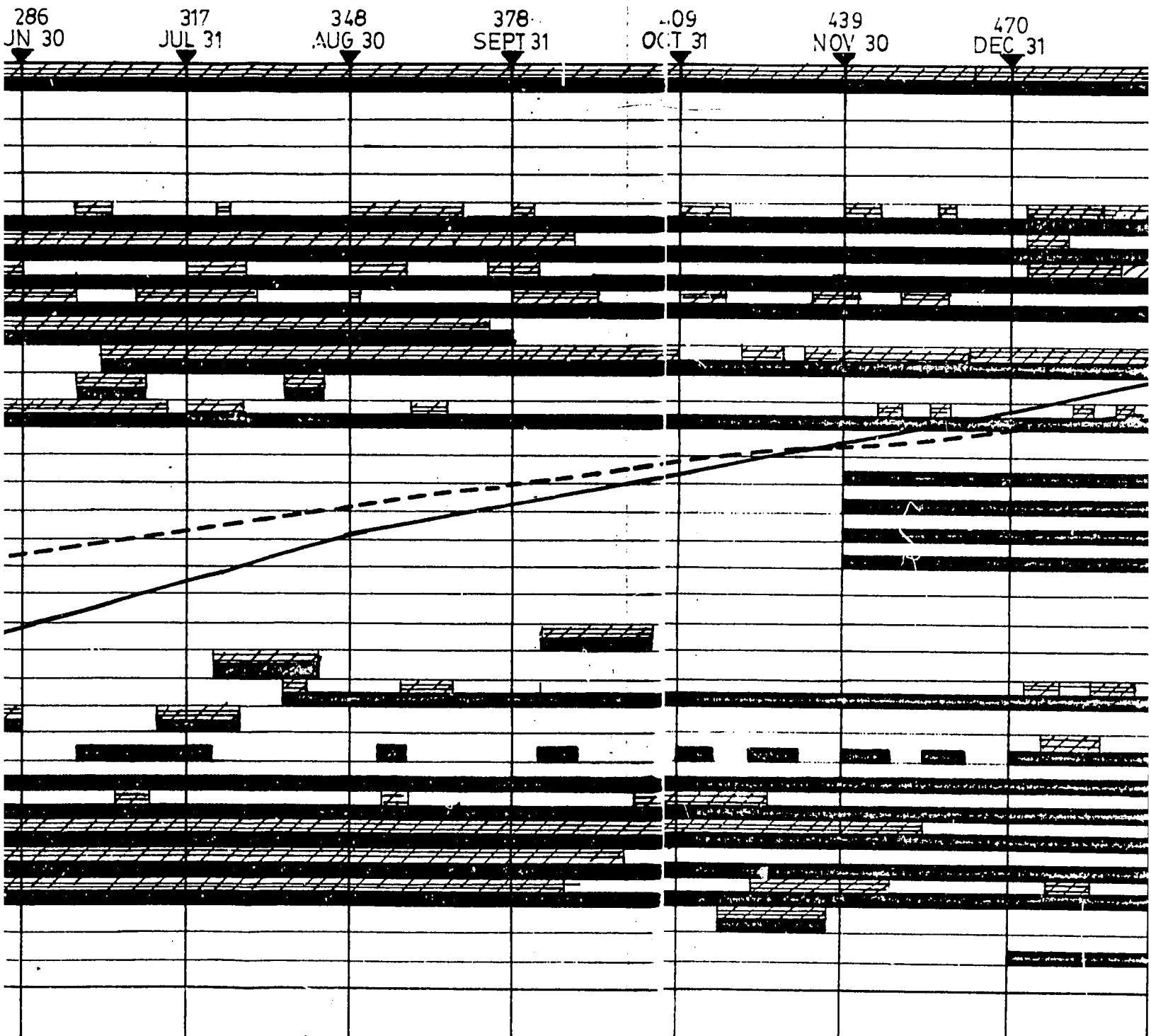
PROGRESS THIS REPORT

SCHEDULED WORK

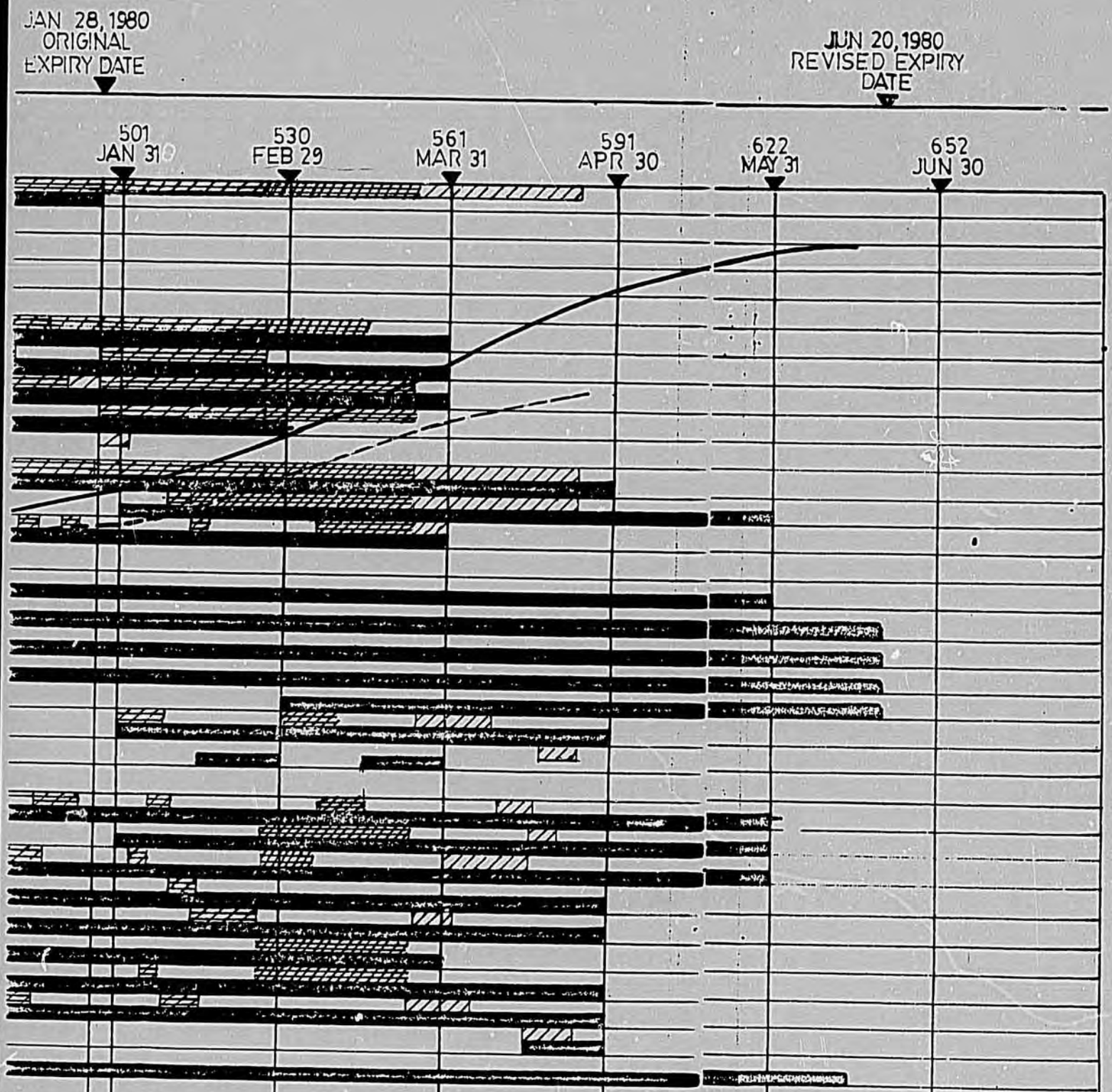
SCHEDULED ACCOMPLISHMENT

ACTUAL ACCOMPLISHMENT

JAN 28
ORIGI
EXPIRY



618,538.23	780,472.24	746,848.89	398,303.91	282,284.51	672,809.41	651,772.17
7,028,855.94	7,809,328.18	8,556,177.07	8,954,480.98	9,237,265.49	9,910,074.90	10,561,847.07



1,772.17	1,232,834.47	1,364,672.00	1,292,782.99	775,2[illegible]6.94	113,618.53	
51,847.07	11,794,681.54	13,151,353.54	14,452,136.53	15,227,3[illegible]53.47	15,340,982.00	

BICOL RIVER BASIN DEVELOPMENT PROJECT

(ROAD COMPONENTS)

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SU

PACKAGE II

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Ja
A.E. BANDELARIA	DEPUTY PROJECT MAG'R																		
L.D. MAYOR	SR. HIGHWAY ENG'R. R.E.																		
F.G. OBUSAN	SR. BRIDGE ENG'R./R.E.																		
M.D. LAXAMANA	SR. LOC. ENGINEER R.E.																		
J.A. TORRALBA	SR. MATLS. ENG'R. R.E.																		
F.C. ROSALES	ADMINISTRATIVE OFFCR.																		
L.P. JOSE	CLERK / TYPIST																		
T.S. SABABAN	MESS'R. JANITOR																		

SUB

SUB-PROJECT No.5, PILI-MATAOROC ROAD

F.G. OBUSAN	SR. BRIDGE ENG'R. /R.E.																		
M.B. DELFIN	MATERIALS ENGINEER																		
DANILO V. FILIO	ENGINEER INSP. (HWY)																		
E.L. REYES	ENGINEER INSP. (BR)																		
L.P. ESPAÑO	SURVEYOR-DRAFTSMAN																		
F.V. YBAROLA	LAB. TECHNICIAN																		
P.V. ALVAREZ	CLERK-TYPIST																		
S. CABALLERO	MESS'R. JANITOR																		
B. JEREMIAS	LABORER																		

SUB

LOPMENT PROJECT
ONENTS)
STAFF FOR CONSTRUCTION SUPERVISION
KAGE II

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEN
ar.	Apr.	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	MONTHS
																	23
																	23
																	23
																	23
																	23
																	23
																	23
																	23
																	184
SUB-TOTAL																	

I- MATAOROC ROAD

																	23
																	23
																	12
																	23
																	23
																	23
																	23
																	23
SUB-TOTAL																	173

Bicol River Basin Development Projects

Secondary and Feeder Roads

PACKAGE II

Minalabac-Antipolo-Hubo Road Project

Sub-Project No. 4

Monthly Construction Report

No. 15

April, 1980

Prepared by:

JUSTINIANO A. TORRALBA
Sr. Materials Engr./Res. Engr.

Submitted By:

AMADO E. BANDELARIA
Deputy Project Manager

PROGRESS REPORT NO. 15
April, 1980

PROJECT: MENALABAC-ANTIPOLO-HUBO ROAD PROJECT
Sub-Project No. 4

1. GENERAL

On Secondary Road, work during the month consists mostly on deliveries of Item 107 and Item 108, construction of Balogo Bridge, Abutment A & B and center pier, and construction of both Abutments for Mata Bridge, and construction of headwalls for RC pipes.

On feeder road, work consists of installation of RC pipes along San Fernando-Lupi Road #401, delivery of item 107 for Hubo-Baliwag feeder road #402, and fabrication of pipes and checking of grades for Hubo-Bagolatao Road #403. A topographic survey is being done now on a section of Hubo-Bagolatao road in the vicinity of Sta. 1 + 050 wherein 2-48"Ø lines of pipe were damaged and destroyed during the typhoon of March 23 to 25, 1980. A 3 span of 6.00m timber trestle with concrete sub-structure on concrete piles is proposed to be constructed, instead of previously recommended 10' double box culvert to replace the said 48" Ø RC pipe which was damaged as investigations reveal that the 48"Ø pipe is really insufficient.

2. PROGRESS April, 1980

Percentage of work accomplished 75.71%

Percentage of Time elapsed 81.02%

Secondary Road:

subgrade - 3.830

subbase - 6.075

Base course -

Pavement -

Feeder Road:

Antipolo-Lupi-San Fernando Road

Subgrade - 5.088

subbase - 0.756

Hubo-Daliwag

Subgrade - 2.301

subbase - 0.218

Hubo-Bagolatao

subgrade - 7.648

subbase - 0.425

Secondary Road (ACTIVITIES DURING THE MONTH)

A. Item 107 - Common borrow material

Hauling, spreading, and compacting on the following Stations:

Sta. 0 + 300 - Sta. 0 + 500 - .200 km. Half lane

Sta. 0 + 625 - Sta. 0 + 725 - .100 km. Half lane

Sta. 1 + 325 - Sta. 1 + 800 - .475 km. Half lane

Sta. 1 + 900 - Sta. 2 + 600 - .700 km. Half lane

Sta. 7 + 415 - Sta. 7 + 525 - .110 km. full lane

B. Item 108 - subbase material

Sta. 5 + 000 - Sta. 5 + 165 - .165 km. full lane

Sta. 5 + 295 - Sta. 5 + 560 - .265 km. full lane

Sta. 2 + 800 - Sta. 3 + 250 - .450 km. full lane

C. Item 402-2.5 Concrete piles

Balogo Bridge - completely driven

Mata Bridge - completely driven

D. Item 405 - Bridge

Balogo Bridge

Abutment A & B - completed

Pier - completed

E. Item 405-A - Box culverts

Sta. 6 + 462.80 - Single barrel - completed

Sta. 6 + 923.80 - double barrel - completed

F. Item 413 - RCP Headwalls

All RCP line as per schedule including additionals were completely installed with constructed headwalls except on the other side of the cut-off channel.

G. Item 510 - Right-of-way markers From Sta. 1 + 100 - Sta. 7 + 392, 74 pieces were already set firmly on the required location and elevation.

H. Item 302 - Medium curing cut-back asphalt, Grade MC-1 for Bituminous Prime Coat.

30 metric Tons delivered by the contractor to the Project site.

Feeder Roads (ACTIVITIES THIS MONTH)

#401 - Antipolo-Lupi-San Fernando Road

Excavation of RCP trenches and laying on the following stations.

Sta. 1 + 350.87

Sta. 2 + 675.00

Sta. 3 + 325.00

Sta. 3 + 675.00

Sta. 3 + 848.00

#402 - Hubo-Baliwag Road

1. Stockpiling and hauling of 107 borrow materials

#403 - Hubo-Bagolatao Road

1. Fabrication of RCP
2. Chacking of grades and elevations.

#401 (Lupi-San Fernando Road)

TEST	ITEM	PREVIOUS	THIS MO.	TOTAL
Grading	107	12	1	13
PL & LL	107	12	1	13
Compaction	107	12	1	13
Field Density	107	57	2	59

Test	Item	Previous	This mo.	TOTAL
Grading	105	24	-	24
PL & LL	105	24	-	24
Compaction	105	24	-	24
F. Density	105	50	-	50

#402 - Hubo-Baliwag

Test	Item	Previous	This month	TOTA L
Grading	107	9	2	11
PL & LL	107	9	2	11
Compaction	107	9	2	11
F. Density	107	51	3	54

#403 Hubo-Bagolatao

Test	Item	Previous	This month	TOTAL
Grading	105	30	4	34
PL & LL	105	30	4	34
Compaction	105	30	4	34
F. Density	105	87	23	110

COMPRESSIVE STRENGTH (Secondary Road)

Date Sampled	Part of Structures Represented	Compressive Strenght for 28 days	REMARKS
1-18-79	RCP .60 Ø	3440	Satisfactory
-do-	-do-	2870	Failed
-do-	-do-	3070	Satisfactory
1-22-79	RCP .90 Ø	3232	-do-
-do-	-do-	3241	-do-
-do-	-do-	2561	Failed
2-3-79	RCP .90 Ø	3077	Satisfactory
-do-	-do-	3672	-do-
-do-	-do-	3345	-do-
2-12-79	RCP .60 Ø	4161	Satisfactory
-do-	-do-	3675	-do-
-do-	-do-	3444	-do-
2-21-79	RCP .60 Ø	3907	-do-
-do-	-do-	3703	-do-
-do-	-do-	3553	-do-
3-11-79	RCP .60 Ø	2674	Failed
-do-	-do-	3001	Satisfactory
-do-	-do-	3271	-do-
7-4-79	RCBC Bottom Slab	4260	Passed
-do-	-do-	3078	-do-
7-9-79	RCBC Sidewall	3078	-do-
-do-	-do-	2394	Failed *
-do-	-do-	3016	Passed
-do-	-do-	4882	Passed
7-16-79	Top Slab	3187	Passed
-do-	-do-	2783	Failed *
-do-	Center wall	3825	Passed
-do-	-do-	2581	Failed *
8-31-79	RCBC Sidewall	3895	Passed
-do-	-do-	4447	Passed
9-1-79	-do-	3988	Passed
-do-	-do-	4097	Passed
9-22-79	RCBC Top Slab	3195	Passed
-do-	-do-	3135	Passed
10-18-79	Sidewall	2480	Failed *
-do-	-do-	2534	Failed *
-do-	-do-	3141	Passed
10-25-79	RCBC Top Slab	3281	Passed
-do-	-do-	2729	Failed *
-do-	-do-	3576	Passed
11-8-79	RCP 1.20 Ø	2421	Failed *
11-10-79	-do-	2922	Failed *
11-21-79	-do-	2309	Failed *
11-26-79	RCP .90 Ø	3055	Passed
-do-	-do-	2340	Failed *
11-28-79	-do-	3506	Passed
-do-	-do-	3397	Passed
11-21-79	RCBC Wingwall	3506	Passed

11-21-79	RCBC Wingwall	4089	Passed
11-26-79	RCBC Apron	2822	Failed*
-do-	-do-	2962	Failed*
11-28-79	RCBC wingwall	3630	Passed
-do-	-do-	3840	Passed

COMPRESSIVE STRENGTH (Feeder Roads 401, 402 & 403)

Date Sampled	Part of structures Represented	Compressive Strength for 28 days	R E MARKS
7-16-79	RCP 36" Ø	4664	Passed
-do-	-do-	4567	-do-
8-17-79	RCP 24" Ø	2736	Failed *
-do-	-do-	2994	Failed *
8-18-79	RCP 36" Ø	3763	Passed
-do-	-do-	4555	-do-
8-3-79	RCP 48" Ø	4781	-do-
-do-	-do-	4224	-do-

* Necessary corrections/adjustments have been made to attain required compressive strength.

Secondary Roads

RCP's Installed with Size

Station	Size	No. of pcs.	R C P	Headwall
1 + 710.52	48'Ø	18	Installed	Constructed
1 + 475.00	36'Ø	18	Installed	Constructed
1 + 875.00	36'Ø	17	Installed	Constructed
2 + 143.82	24'Ø	18	Installed	Constructed
2 + 652.12	24'Ø	13	Installed	Constructed
2 + 852.72	24'Ø	15	Installed	Constructed
2 + 900.00	24'Ø	14	Installed	Constructed
3 + 111.44	36'Ø	15	Installed	Constructed
3 + 389.45	12'Ø	12	Installed	Constructed
3+ 325.00	12'Ø	12	Installed	Constructed
3 + 787.00	13'Ø	13	Installed	Constructed
3 + 910.52	36'Ø	14	Installed	Constructed
4 + 144.13	24'Ø	13	Installed	Constructed
4 + 369.02	24'Ø	13	Installed	Constructed
4 + 854.15	30'Ø	13	Installed	Constructed
4 + 925.00	36'Ø	15	Installed	Constructed
5 + 183.15	24'Ø	12	Installed	Constructed
6 + 225.00	24'Ø	16	Installed	Constructed
6 + 425.00	24'Ø	15	Installed	Constructed
6 + 677.00	24'Ø	15	Installed	Constructed
6 + 755.30	36'Ø	16	Installed	Constructed
7 + 250.00	48'Ø	18	Installed	Constructed
8 + 055.00	24'Ø	14	Installed	Constructed
8 + 066.00	36'Ø	15	Installed	Constructe d
8 + 072.30	24'Ø	15	Installed	Constructed
8 + 222.00	24'Ø	13	Installed	Constructed
8 + 459.00	24'Ø	12	Installed	Constructed
8 + 650.00	24'Ø	14	Installed	Constructed

STATUS OF TESTS
MINALABAC-ANTIPOLO-HUBO ROAD
Km. 0+000 to Km. 8+630

Project: Package II Sub-Project No. 4 (Number) (Secondary) (Name) Minalabac, Cam. Sur (City/Province)

Our records indicate that the number of tests on the above-mentioned project for April 25, 1980, is as follows:

Materials	Total estimated quantities	Minimum no. of test required	No. of test On file	No. of test balance
105: Roadway & drainage Excavation	15,500 cu.m.	D-52 C,G&P-11	D-52 C,G&P-11	None None
106: Excav. for structures	700 cu.m.	D-3 C,G&P-1	D-3 C,G&P-1	None None
107: Borrow	102,450 cu.m	D-342 C,G&P-69	D-248 C,G&P-69	D-94 None
108: Aggr. Subbase Course	25,700 cu.m	C-19 D,G&P-86	C-13 G&P-64; D-19	C-6 G&P-22;D-67
110: Foundation Fill	50. cu.m	C,G&P-1	C,G&P-1	None
405: Concrete Class"A"	338 cu.m.	#6	None	#6
a. Cement*	4,831 bags	Q-3 or PTC	Q-1	Q-2 or PTC
b. Fine Aggr.	294 cu.m.	Q-1; G-4	Q-1;G-5	None
c. Coarse Aggr.	376 cu.m.	Q-1 or Cert	Q-1;G-5	None
406: Reinforcing Steel	25,765 kgs.	Q-1ea.size	Q-1 ea. size	None
413: Reinf. Concrete pipes		Q-6		
a. 0.60 Ø M	276 L.M.	&		
b. 0.90 Ø M	96 L.M.	&		
c. 1.20 Ø	55 L.M.	&		
1. Reinf. Steel		Q-1 ea.size		
510: R O W Markers	154 ea.	IR		
500: Riprap and Grouted	190 cu.m.	IR		
a. Stones				

COMMENT AND RECOMMENDATION:

The contractor is preparing to start on asphalting of a portion of the secondary road from sta. 3 + 500 to 5 + 500. About 30 tons of asphalt Bitumuls are delivered at their camp. As soon as item 200 and asphalt aggregates are delivered, a section 2 kilometers long will start.

Work on feeder road seems to be slow in their pace because of breakdown of the loader and grader. The spare parts are still to be bought in Manila, and unitl this writing, said equipment have not been repaired, but, the contractor is doing their best to have their work resumed fully. They expect to work full swing during the month of May, 1980.

From the beginning of project at the Poblacion of Minalabac up to the cut-off channel, the contractor also started widening of the existing concrete pavement. But there are electric posts that are not yet removed by CASURECO so that paving cannot be started yet. Representations are being made with CASURECO now to have the posts transfered outside the construction limits of the roadway.

WEATHER REPORT
As of April, 1980

PROJECT: MINALABAC-ANTIPOLO-HUBO ROAD PROJECT
Sub-Project No. 4

DATE-1980		Weather	Remarks	Time Extension Recommended
Mar.	26	Fair	Workable	None
	27	Fair	Workable	None
	28	Fair	Workable	None
	29	Fair	Workable	None
	30	Fair	Workable	None
	31	Fair	Workable	None
April	1	Fair	Workable	None
	2	Fair	Workable	None
	3	Fair	Workable	None
	4	Fair	Workable	None
	5	Fair	Workable	None
	6	Fair	Workable	None
	7	Fair	Workable	None
	8	Fair	Workable	None
	9	Fair	Workable	None
	10	Fair	Workable	None
	11	Fair	Workable	None
	12	Fair	Workable	None
	13	Fair	Workable	None
	14	Fair	Workable	None
	15	Fair	Workable	None
	16	Fair	Workable	None
	17	Fair	Workable	None
	18	Fair	Workable	None
	19	Fair	Workable	None
	20	Fair	Workable	None
	21	Fair	Workable	None
	22	Fair	Workable	None
	23	Fair	Workable	None
	24	Fair	Workable	None
	25	Fair	Workable	None

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH - - none
TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY - - 91 days
Grand total - - - - - - - - - 91 days

Date of effectivity of contract - - - February 7, 1979
Percent Time Elapsed - - - - - - - - - -

Bicol River Basin Development Project
San Jose, Pili, Camarines
Sur

EMPLOYMENT GENERATION SURVEY (S23)

NAME OF CONTRACTOR GENARO G. REYES CONSTRUCTION, INC.

FOR THE MONTH OF April, 1980

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA-BASED 1/		10	13	3
LOCAL-HIRED 2/		2	4	17
SUB-CONTRACTORS 3/				
TOTAL		12	17	20

1/ Includes permanent employees

2/ Employees residing within the Basin Area

3/ Local Hired Only

Submitted by:

ANTONIO RANZON
Project Engineer

GENARO G. REYES CONSTRUCTION? COMPANY
Minalabac, Camarines Sur

LIST OF PERSONNEL

	NAME	POSITION	QUALIFICATION
1.	Antonio Banzon	Project Manager	Civil Engineer
2.	Rogelio Gonzales	Project Engr.	Civil Engineer
3.	Marcos Galban	Foreman	Experienced
4.	Maximo Mendoza	Foreman	-do-
5.	Armando Bidania	Instrument Man	-do-
6.	Bong Bidania	Survey Aide	-do-
7.	Dominador Sabado	Survey Aide	-do-
8.	Danilo Nicolas	Survey Aide	-do-
9.	Orlando Dacuzan	Survey Aide	-do-
10.	Jolito Cambe	Survey Aide	-do-
11.	Domingo Voluntad	Timekeeper	-do-
12.	Pedro Suyat	Overseer	-do-
13.	Agustin Perena	Motorpool Guard	-do-
14.	Luciano Lavandero	Guard	-do-
15.	Francisco Magnate	Guard	-do-
16.	Andress Rodeno	Guard	-do-
17.	Vicente Armellas	Guard	-do-
18.	Leonardo Valentin	Grader Operator	-do-
19.	Ruben Macapagal	Bulldozer Operator	-do-

20.	Baltazar, Pansito	Payloader Operator	Experienced
21.	Reynaldo Arcinas	Bulldozer Operator	-do-
22.	Mario Reyes	Dump Truck Driver	-do-
23.	Fernando Castro	Dump Truck Driver	-do-
24.	Ruben Jacobe	Dump Truck Driver & Hooble Operator	-do-
25.	Sixto Simon	Dump Truck Driver	-do-
26.	Ricardo Macapagal	Bulldozer Operator	-do-
27.	Juan Cambe	Bulldozer Operator	-do-
28.	Fernando Alojada	Mechanic	-do-
29.	Leonardo Sabado	Helper Mechanic	-do-
30.	Box de la Cruz	Helper Mechanic	-do-

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR POLYTRADE CONSTRUCTION, INC.

FOR THE MONTH OF April, 19 80.

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED 1/	3	2	5	
LOCAL -HIRED 2/	6	6	15	6
SUB-CONTRACTORS 3/				
T O T A L	9	9	20	6

1/ Includes permanent employees

2 / Employees residing within the Basin Area

3/ Local Hired Only

Submitted by:

MILAGROS A. NORBERTO
Project Engineer

POLYTRADE CONSTRUCTION, INC.
Minalabac Camarines Sur

LIST OF PERSONNEL
As of April, 1980

I. TECHNICAL STAFF

N A M E	Position	Qualification
Perez, Teodoro	Project Manager	Civil Engineer
Norberto, Milagros	Project Engineer	-do-
Espeso, Leomardo	Project Supervisor	-do-
Sauco, Rego	Shop & Equipt. Supervisor	Experienced
Parillas, Zacarias	Const. Foreman	Experienced
Porteria, Juanito	Bridge Foreman	Experienced
Rojano, Silvestre	Lab. Technician	Experienced

II. ADMINISTRATIVE STAFF

Cruz, Nestor	Adm. Officer	B S B A
Reyes, Efren	Comptroller	Experienced
Sauco, Delfin	Misc. Service	-do-
Polvoriza, Armando	Warehouseman	-do-
Tolledo, Armi	Payroll Clerk	B S B A
Buenaventura, Godofredo	POL In charge	Experienced
Tragante, Frisco	Watchman	-do-
Pellosis, Eduardo	Watchman	-do-
Asis, Leoncio de	Watchman	-do-
Jacobe, Pedro Jr.	Watchman	-do-
Aguila, Celestino	Field Checker	-do-

III. MECHANICAL DEPARTMENT

Luna, Freddie	Mechanic	Experienced
Caisip, Rogelio	Mechanic	-do-
Torsar, Francisco	Tireman	-do-
Dinlas, Cedillo	Electrician	-do-

IV. SURVEY & LAB. TEAM

Torre, Bayani de	Chainman	-do-
Eballar, Luis	Survey Aide	-do-
Bislumbre, Carlos	Survey Aide	-do-
Leon, Luis de	Lab. Aide	-do-

V. DRIVERS

Adao Numeriano	DT - Driver	-do-
Julo, Norberto	DT - Driver	-do-
Palmas, Ricardo	DT - Driver	-do-
Balonzo, Rodelio	DT - Driver	-do-
Bernal, Carlos	Service Driver	-do-

VI. HEAVY EQUIPMENT

Francisco, Graciano	Loader Operator	-do-
Villavecencio, Virgilio	BD Operator	-do-
Lozano, Teotimo	Grader Operator	-do-
Delorino, Eduardo	Dynapac Operator	-do-
Balonzo, Jolito	BD Operator	-do-
Hernandez, Teodoro	Helper	-do-

VII. BRIDGE GANG

Ricardo dela Cruz	Carpenter	Experienced
Labrador, Salvador	Carpenter	-do-
Bartolome, Candido	Carpenter	-do-
Expasio, Jorge	Carpenter	-do-
Opinaldo, Petronilo	Carpenter	-do-
Sevilla, Domingo	Carpenter	-do-
Lavandero, Pedro	Carpenter	-do-
Deborde, Roberto	M a s o n	-do-
Danson, Romeo	M a s o n	-do-
Vizcarra, Gideora	Steel man	-do-
Lizarde, Arnulfo	Steel man	-do-
Daruca, Antonio	Laborer	-do-
Granáa, Regalado	Laborer	-do-
Pabilando, Rodolfo	Mixer Operator	-do-

VIII. GROUTED RIPRAP GANG

Abrejes, Romeo	Laborer	-do-
Llaban, Quirino	Laborer	-do-
Compas, Ernesto	Laborer	*do-
Benedicto, Crispin	Laborer	-do-
Encinas, Anatalio	Laborer	-do-
Presente, Ernesto	Laborer	-do-
Palagayao, Rogelio	Laborer	-do-
Pellosis, Willam	Laborer	-do-
Abrejes, Ramon	Laborer	-do-
Santiago, Romeo	Laborer	-do-

HEAVY EQUIPMENTS
As of April, 1980

Secondary Roads:

a. Bulldozer
   1 unit D-OH (Komatsu) w/ 2 rippers)

b. Dump Trucks:
   2 Ford (6-wheelers)
   2 Isuzu (10-wheelers)
   1 Isuzu (6-wheelers)

c. Rollers:
   Vibratory Compactor, Dynapac (Self-propelled)

d. Loader:
   2 Isuzu Loader (JH-60, w/ Kimco body)

e. Grader
   1 unit Caterpillar

f. Water Truck
   1 unit w/ truck tractor

Feeder Road Nos. 401, 402, & 403

a. Bulldozer
   2 units Caterpillar (D-8)
   1 unit Komatsu (D-80A, w/ ripper)

b. Dump Trucks
   5 units Isuzu (6 wheelers)
   1 unit Tandem wheel roller

c. Roller:
   1 unit self-propelled Pneumatic roller

d. Loader
   2 units Caterpillar

e. Grader
   2 units Caterpillar

f. Water Truck
   1 unit on top of 6-wheel truck

LIST OF OFFICE EQUIPMENT
As of April, 1980

Type writer 19" Carriage (ADLER)	1	ea.
Wooden Office Desk	3	pcs.
Simple wooded chair	5	pcs.
Typing Table	1	pcs
Dafting Table	1	pc.

Annex "C"

LIST OF LABORATORY EQUIPMENTS
As of March, 1980

8 - inch Brass Mesh 4"	1	pc.
8 - inch Brass Mesh 3"	1	pc.
8 - inch Brass Mesh 2"	1	pc.
8 - inch Brass Mesh 1½"	1	pc.
8 - inch Brass Mesh 3/4	1	pc.
8 - inch Brass Mesh 3/8	1	pc.
8 - inch Brass Mesh No. 8	1	pc.
8 - inch Brass Mesh No.10	1	pc.
8 - inch Brass Mesh No.16	1	pc.
8 - inch Brass Mesh No.30	1	pc.
8 - inch Brass Mesh No.40	1	pc.
8 - inch Brass Mesh No.50	1	pc.
8 - inch Brass Mesh No.60	1	pc.
8 - inch Brass Mesh No. 100	1	pc.
8 - inch Brass Mesh No. 200	1	pc.
Sample Slpitter 2½ Chute width	1	set
Sample Splitter 1½ Chute width	1	set
Heavy Duty Solution balance 20 kg. cap Chaus N - 111 D	1	set
Triple Beam balance 0.1 sea	1	set
Volumetric Flask 500 ml.	1	set
Liquid Limit Device w/ grooving tool	1	set
Plastic Limit	1	set
Cent - O - gram balance 0.01 sea	1	set

Rectangular pan 4" x 4" x 10"	1	pc.
Square pan 24" x 24"	1	pc.
Modified Compaction Mold 1/13.33	1	pc.
Modified Compaction Mold 10 lbs.	1	pc.
Modified Compaction Hammer 5.5. lbs.	1	pc.
Wash Bottle 1000 ml.	1	pc.
Field Density Set	1	set
Yield Bucket 1	1	pc.
Oven, Electric Memmert #760190	1	unit
Harvard Trip Balance Ohause	1	set
8 - inch Brass Sieve No. 4	1	unit
Spring Balance 12 Kilos Cap.	1	unit
Compaction Mold 1/30 cu. ft.	1	set
Frying Pan 18" x 18"	6	pcs.
Wire Basket	1	pc.
Cylinder Mold	2	pcs.
8 - inch Sieve Brass pan	1	pc.
8 - inch Pan Brass Cover w/ ring	1	pc.
Slump Cone w/ Tampering rod	1	pc.
Work Table, 1.20 x 2.40 m.	1	ea.
Simple Wooden chair	5	pcs.
Corenter w/ G.I. sink	1	set
Wooden Filing Cabinet	1	ea.
Stapler	1	ea.
Puncher	1	ea.

NOTE:

These Laboratory equipments are now available at the project as per check and audit made by Engr. Sanares, Chief Quality Control Section, PIO, and representative of Auditor's office on March 23 & 26, 1979 respectively.

BICOL RIVER BASIN DEVELOPMENT PROJECT

(ROAD COMPONENTS)

MANPOWER SCHEDULE OF CONSULTANT'S STAFF FOR CONSTRUCTION SUPERVISION

PACKAGE II

NAMES	POSITION	DEC	JAN	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEPT	9 OCT	10 NOV	11 DEC	12 JAN	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	MEN MONTHS
A. E. BANDELARIA	DEPUTY PROJ. MGR.																						18
L. D. MAYOR	SR. HWY. ENGR. / R.E.																						18
F. G. OBUSAN	SR. BR. ENGR. / R.E																						18
M. D. LACSAMANA	SR. LOC. ENGR. / R. E.																						18
J. A. TORRALBA	SR. MATL'S ENGR./R.E.																						18
F. C. ROSALES	ADM. OFFICER																						18
L. P. JOSE	CLERK TYPIST																						18
T. S. SABABAN	MES'R JANITOR																						18
																						SUB-TOTAL	144
SUB-PROJECT NO. 4, MINALABAC-ANTIPOLO-HUBO ROAD																							
J. A. TORRALBA	SR. MATL'S ENGR/R.E.					(INCLUDED IN KEY STAFF)																	18
V. E. PARIS	ENGR. INSP. (HWY)																						18
E.C. FORTALEZA	ENGR. INSP. (BRIDGE)																						14
C.C. ORTIZ	MATL. ENGR.																						18
A. E. BANDELARIA	SURVEYOR/DRAFTSMAN																						18
A. M. ABOGA	LAB. TECHNICIAN																						18
M.L. SANTIANO	CLERK / TYPIST																						18
G. EABUTAP	JANITOR / MESSENGER																						18
R. M. ABANTE	LABORER																						18
																						SUB-TOTAL	158

PAY ITEM	DESCRIPTION	ESTIMATED % WEIGHT ACCOMPLISHED PROJECT SCHEDULED	
1.60.1	Provide and Maitain Office and Lab. for Engineer	1.00	0.3333
1.60.2	Provide one (1) Unit Utility Vihicle for Engineer	0.66	0.6666
1.60.4	Lab. and Office Equipment for Engineer	1.86	1.7350
100	Clearing and Grubbing	1.22	0.8263
103-1	Removal of Bridge	0.09	
103-2	Removal of Culvert	0.02	
105-SR	Roadway and Drainage Excavation	2.81	2.5920
105-FR	Roadway and Drainage Excavation	0.53	
105-4	Excavation of Unsuitable Materials	2.75	1.7129
106	Excavation for Structure	0.60	
107	Borrow	331797	2.8402
108	Aggregate Sub-base	20.52	1.4822
110	Foundation Fill	0.05	
200	Aggregate Base Course	6.46	
302	Bit. Prime Coat Grade - MC-1	2.20	
314-1	Aggregate Materials for BST	1.26	
314-3	Asphalt Cement 85-100 Penetration	4.35	
401	Timber Trestle on Concrete Pile Bents	1.72	
402-2.5	Precast Concrete Piles	6.39	
402-2.5a	Concrete Test Piles	1.08	
403	Concrete Railings	0.16	
405	Concrete Class "A" (Miscellaneous)	1.28	
405-1	Concrete Class "A" Bridge	2.85	
406	Reinforcing Steel	2.13	
413	0.30 M. Ø Reinforced Concrete Pipes	0.03	
413-1	0.46 M. Ø Reinforced Concrete Pipes	0.12	
413-2	0.60 M. Ø Reinforced Concrete Pipes	2.45	
413-3	0.90 M. Ø Reinforced Concrete Pipes	0.36	
413-4	1.20 M. Ø Reinforced Concrete Pipes	0.37	
500	Rip-rap and Grouted	0.08	
501	Hand Laid Rock Emb.	0.573	
510	Right of way Markers	0.23	
	TOTAL		22.198 %
		CASH FLOW	
		CUMULATIVE TOTAL	

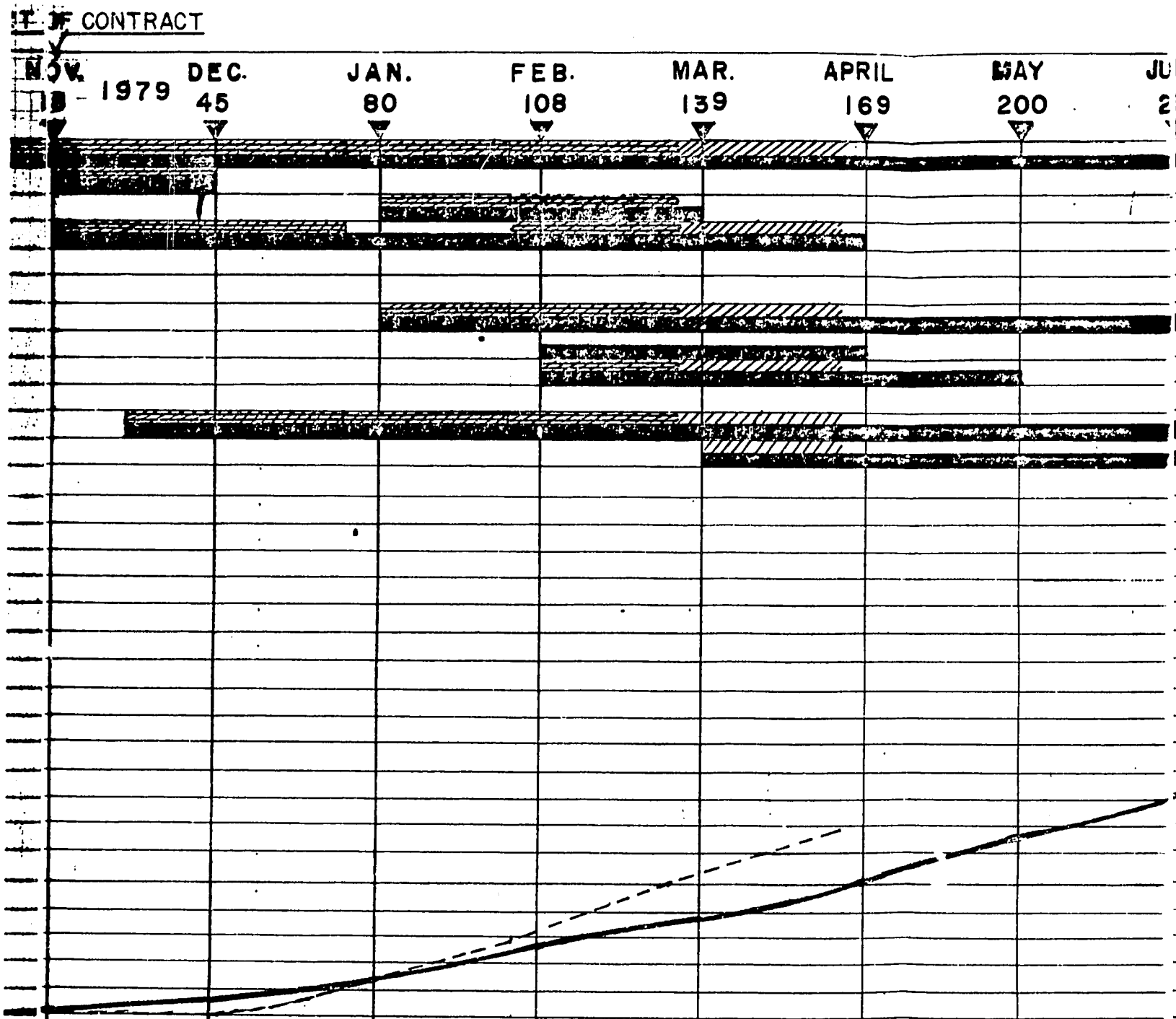
PALISTINA-

START OF CONTRACT

NOV. 18 - 1979

% WEIGHT COMPLISLED JECT	% WEIGHT COMPLISLED ITEM	QUANTITY	UNIT COST	AMOUNT			
3333	33.333	18 mos.	2,500	45,000.0			
6666	100.000	L.S.	L.S.	30,000.0			
7360	93.000	L.S.	L.S.	84,000.0			
8263	67.309	17.13 Has.	3,225.0	55,244.25			
		1 each	4,125.0	4,125.0			
		3 each	367	1,101.0			
5920	92.176	11,100M³	11.40	126,540.0			
		1,900M³	12.75	24,225.0			
7129	62.121	13,200M³	9.40	124,080.0			
		2,400M³	15	36,000.0			
3402	38.024	86,400M³	17.60	1,520,640			
4622	7.221	31,850M³	29.0	923,650			
		50M³	45.0	2,250.0			
		6,900M³	42.0	289,800			
		42 M.T.	2,360	99,120			
		575M³	97.60	56,120			
		83 M.T.	2,360	195,880			
		10 Span	7,687	76,870			
		590 L.M.	488	287,920			
		5 each	9,600	48,000			
		60 L.M.	120	7,200.0			
		100 M³	570	57,000			
		174.6M³	735	128,331			
		17,371 Kg.	5.50	95,540.50			
		11 L.M.	142	1,562.0			
		26 L.M.	218	5,668			
		386 L.M.	285	110,010			
		32 L.M.	502	16,064			
		22 L.M.	772	16,984			
		30 M³	120	3,600			
		150M³	112	16,800			
		294 ea.	36	10,584			
.198 % As of April 25, 1980							
W						1125	88,272
TOTAL AMOUNT							89,397

BAR SCHEDULE OF WORK
OF
STINA-SAN ANTONIO-MINALABAC ROAD SE



88,272	102,997	166,087	219,559	248,609	236,439	195,138
89,397	192,394	358,481	578,040	826,649	1,063,147	1,258,285

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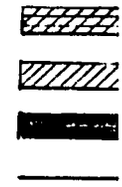
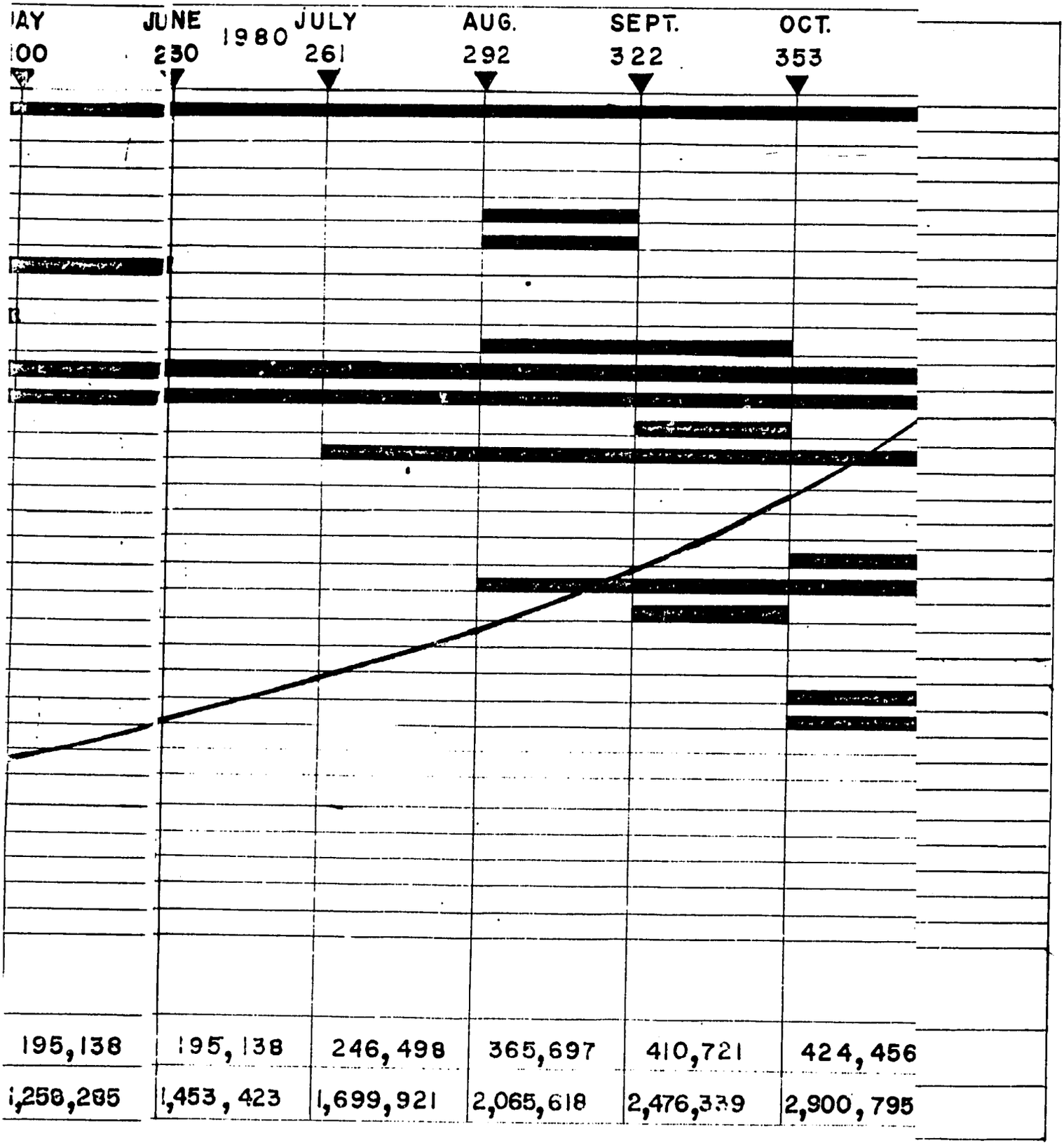
LEGEND:



AD SECTION



GEND:

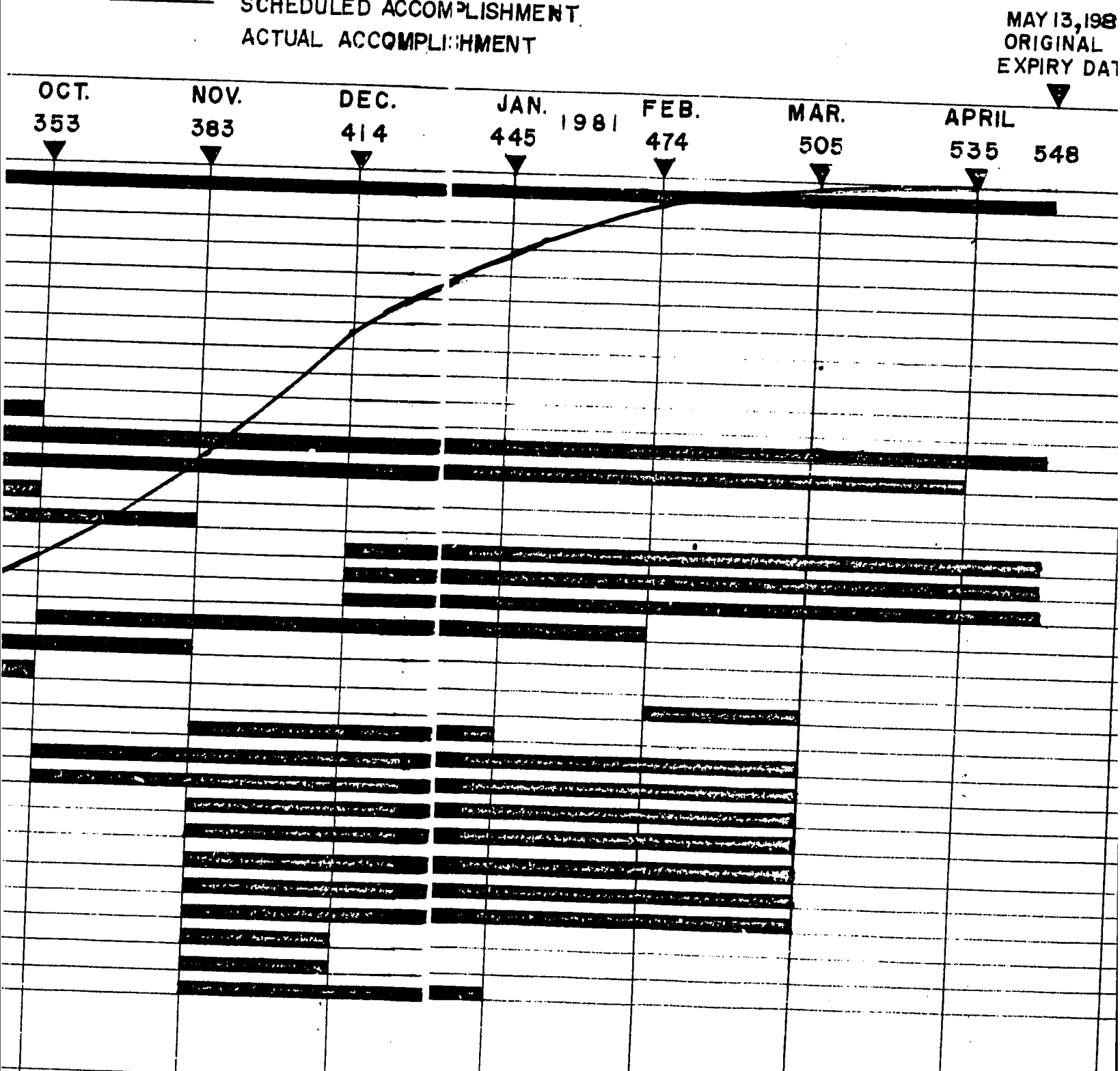
PREVIOUS ACCOMP .ISHMENT

PROGRESS THIS RE ORT

SCHEDULED WORK

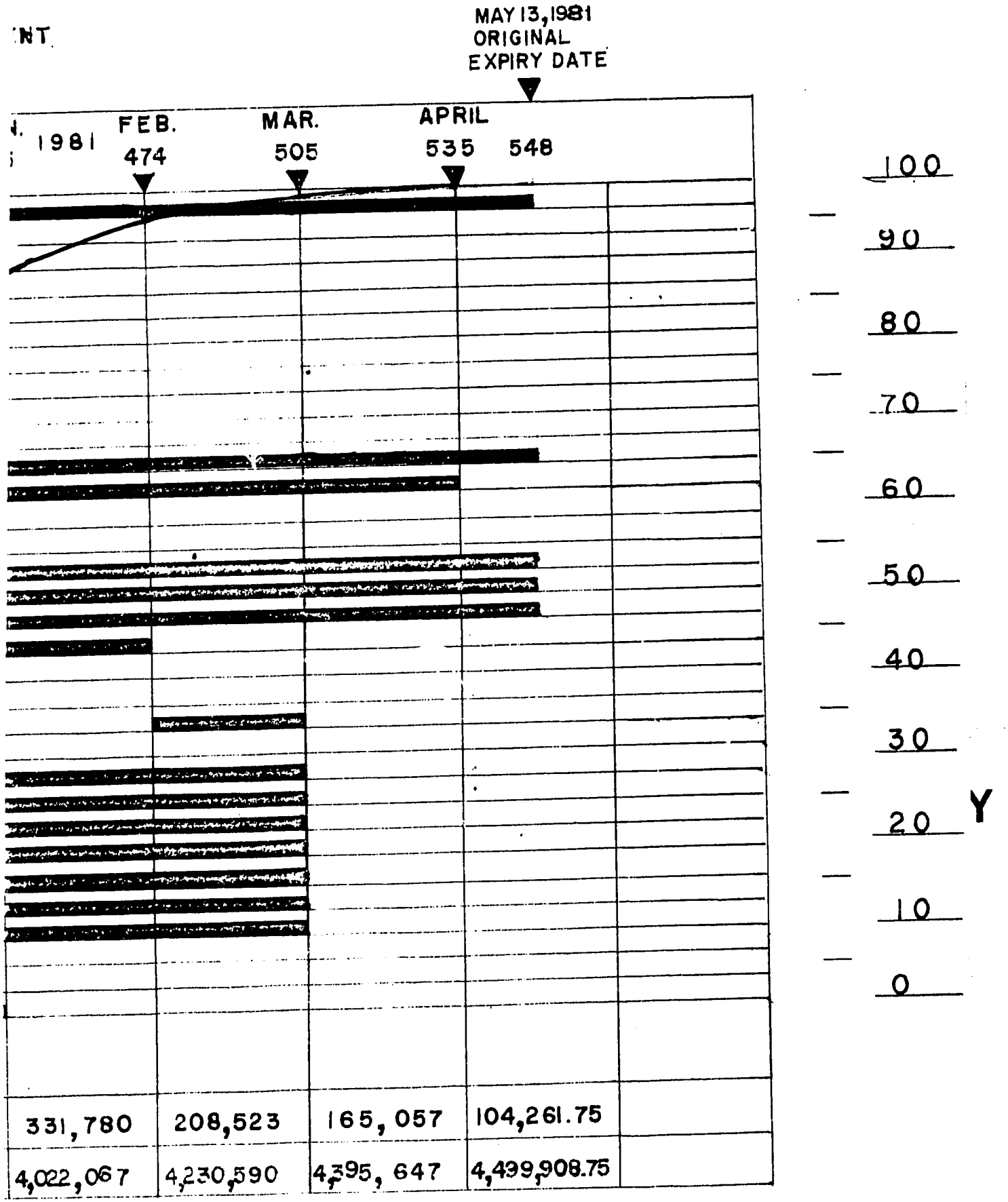
SCHEDULED ACCOMPLISHMENT

ACTUAL ACCOMPLISHMENT



424,456	424,452	365,010	331,780	208,523	165,057	104,261.75
2,900,795	3,325,247	3,690,217	4,022,067	4,230,590	4,395,647	4,499,908.75

NT.


MAY 13, 1981
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165,057
104,261.75
4,022,067
4,230,590
4,395,647
4,499,908.75

Bicol River Basin Development Project

Secondary and Feeder Roads

PACKAGE II

PALISTINA-SAN ANTONIO-MINALABAC ROAD PROJECT

Sub-Project No. 6

MONTHLY CONSTRUCTION REPORT
No. 6

April, 1980

Prepared by:

VICENTE B. ZANO
Resident Engineer

Submitted by:

ALADO E. BANDELARIA
Deputy Project Manager

PROGRESS REPORT
NO. 6
As of April 25, 1980

PROJECT: PALESTINA - SAN ANTONIO - MINALABAC ROAD
Sub - PROJECT NO. 6

I. GENERAL

Good weather prevailed during the month and the contractor exerted more effort on the job.

The contract or opened a quarry for Item 108 at San Juan and hauled same to the project. Although quantities delivered were minimal the operation for this item was progressing.

A quarry for Item 107 was also opened near San Antonio section to minimize the hauling distance.

II. PROGRESS

Hauling of item 107 and item 108 were the major item done by the contractor for the period.

Accomplished = 22.198 %

Time Elapsed ≐ 30.29 %

A. Secondary Road

1. Earthwork - hauling of common borrow (Item 107)

   a) Sta. 2 + 775 to Sta. 3 + 150

   b) Sta. 4 + 500 to sta. 5 + 175

2. Aggregate Sub-Base (Item 108)

a) Sta. 0 + 100 to Sta. 0 + 425

b) Sta. 0 + 575 to sta. 0 + 875

c) Sta. 0 + 900 to Sta. 1 + 050

d) Sta. 1 + 150 to Sta. 1 + 225

e) Sta. 1 + 300 to Sta. 2 + 300

Deliveries of Item 108 were partial quantities only and were laid to a layer. The thickness of which enables a good compaction procedure.

3. Structures

No activity during the month.

4. Survey

Checking of alignments for back filling purposes and checking of elevation for layer compaction.

B. Feeder Road No. 601

1. Earthwork

No activity during the month.

2. Structures

No activity during the month.

3. Survey

No activity during the month.

Materials Testing and Control

The completion of laboratory equipments are still remained at a percentage of 93%. Field density test is being undertaken from time to time on several stations to determine if the required compaction had already been attained. As of now, deliveries of Item 108 on the secondary road and simultaneous deliveries of Item 107 on the secondary and feeder roads. See our listed stationing on progress or earthwork reports.

Test undertaken for the month are tabulated below:

SECONDARY ROAD

ITEM	KIND OF TEST	STATUS OF TEST Prev.Mo.	This Mo.	TOTAL
105	Grading	2	2	4
	PL & LL	2	2	4
	Compaction	2	2	4
105-4	Grading	10	4	14
	PL & LL	10	4	14
	Soil Classification	10	4	14
107	Grading	28	6	34
	PL & LL	28	6	34
	Soil Classification	28	6	34
	Compaction	4	6	10
	Field Density	29	7	36 (retest)
108	Grading	-	12	12
	PL & LL	-	12	12
	Compaction	-	2	2
	Field Density	-	4	4 (retest)

FEEDER ROAD

ITEM	KIND OF TEST	STATUS OF TEST Prev. Mo.	This Mo.	T O T A L
105	Grading	1	1	2
	LL & PI	1	1	2
	Soil Classification	1	1	2
	Compaction	-	1	1
105-4	Grading	1	1	2
	LL & PI	1	1	2
	Soil Classification	1	1	2
107	Grading	5	8	13
	LL & PI	5	8	13
	Compaction	1	2	3
	Field Density	-	8	8

COMMENTS AND RECOMMENDATIONS:

With the arrival of one unit payloader and one unit dump truck the contractor can now work on two items at the same time. Since they opened a nearer quarry of item 107 they are expected to haul more volume of common borrow then those of the previous month. It is also recommended that they render overtime work on items 107 and 108.

WEATHER REPORT
As of April 25, 1980

PROJECT: PALESTINA - SAN ANTONIO - MIRALARIO ROAD
SUR - PROJECT NO. 6

Date 1980	Weather	Remarks	Time Extension Recommended
March 26	Cloudy with intermittent rain	Unworkable	One (1) day
27	Cloudy	Workable	None
28	Fair	Workable	None
29	Fair	Workable	None
30	Fair	Workable	None
31	Fair	Workable	None
April 1	Fair	Workable	None
2	Fair	Workable	None
3	Fair	Workable	None
4	Fair	Workable	None
5	Fair	Workable	None
6	Fair	Workable	None
7	Fair	Workable	None
8	Fair	Workable	None
9	Fair	Workable	None
10	Fair	Workable	None
11	Fair	Workable	None
12	Fair	Workable	None
13	Fair	Workable	None
14	Fine	Workable	None
15	Fair	Workable	None
16	Fair	Workable	None
17	Fair	Workable	None
18	Fair	Workable	None
19	Fair	Workable	None
20	Fair	Workable	None
21	Fair	Workable	None
22	Fair	Workable	None
23	Fair	Workable	None
24	Fair	Workable	None
25	Fair	Workable	None

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH - - - - - - - - - - 1 day
TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY - - - - - - - - - - 25 days
GRAND TOTAL TO DATE - - - - - - - - - 26 days

DATE OF EFFECTIVITY OF CONTRACT - - - - - - - - November 12, 1979
CONTRACT TIME - - - - - - - - - - - - - - - - - - 548 days
TIME ELAPSED - - - - - - - - - - - - - - - - - - 30.29%

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR PROJECT WORKS CONTRACTOR INC.

FOR THE MONTH OF APRIL 25, 1980

	ADMINISTRATIVE/ FINANCE	ENGINEERING/ TECHNICAL	SKILLED	UNSKILLED
MANILA - BASED 1/	2	1	16	
LOCAL - HIRED 2/	1	3	2	10
SUB-CONTRACTORS 3/				
T O T A L	3	4	18	10

1/ Includes permanent employees

2/ Employees residing within the Basin Area

3/ Local Hired Only

Submitted By:

CRISENCIO H. CALALANG
Project Engineer

/vlc

Annex "A"

[illegible] WORK CONSTRUCTION
Palistina-San Antonio-Minglabac Road
Camarines Sur

LIST OF PERSONNEL

I. TECHNICAL STAFF

NAMES	POSITION	QUALIFICATION
1. Crisencio H. Calalang	Project Engineer	Civil Engineer
2. Julio E. Acabado	Office Engineer	CE Graduate
3. Luis Baylon	CE Aide	CE Graduate

II. ADMINISTRATIVE STAFF

1. Sergio M. Mallari	Adm. Officer	B.S.C.
2. Leonardo L. Bernardino	Project Accountant	B. S.C.
3. Linda Soriano	Clerk/Typist	Experienced

III. MECHANICAL

1. Ernesto Portes	Chief Mechanic	Experienced
2. Virgilio Pineda	Mechanic	- do -
3. Jimmy Priela	Mechanic/Helper	- do -
4. Nilo Medina	Batl's becker/ fuel tender	- do -

IV. SURVEY TEAM

1. Pastor Aguila	Instrumentman	Experienced
2. Franklin Elgan	Chairman	- do -
3. Winefredo Gemvan	Rodman	- do -
4. Lorenzo Bañaga	Survey Aide	- do -

V. LABORATORY

1. Avelino Albina	Laboratory Tech.	Experienced
2. Servillano Idor	Laboratory Aide	- do -
3. Policarpio Ocay	Laboratory Aide	- do -

VI. DRIVER AND OPERATOR

1. Virgilio Pascual	H.E. Operator	Experienced
2. Cerilo Gonzales	H.E. Operator	- do -
3. Leandro de Guzman	- do -	- do -
4. Rodolfo de Guzman	- do -	- do -
5. Juan Bartolome	- do -	- do -
6. Larry Bartolome	- do -	- do -
7. Avelino Portes	- do -/Driver	- do -
8. Apolinar Agustin	- do -/Driver	- do -
9. Gregorio Medina	- do -/Driver	- do -

BEST AVAILABLE DOCUMENT

10.	[illegible]	F.E. Operator/ Driver	Experienced
11.	[illegible]	- do -/Driver	- do -
12.	[illegible]	- do -/Driver	- do -

VII. [illegible]

1.	[illegible]	Foreman ([illegible])	Experienced
2.	[illegible]	Foreman (Structure)	- do -
3.	[illegible]	Checker (Det)	- do -
4.	[illegible]	- do -	- do -
5.	[illegible]	Wheelwright	- do -

BEST AVAILABLE DOCUMENT

Annex "B"

PROJECT WORK CONSTRUCTION
Pili-Bina-San Antonio-Minalabac Road
Camarines Sur

LIST OF EQUIPMENT

2 units - Bulldozer D - 7 Caterpillar

2 units - Payloader JH - 65, Michigan

2 units - Road Grader - Caterpillar(mechanical)
Huber Warco

2 units - Road Roller - Sakai, Wawanabe

1 unit - One bagger mixer

1 unit - Two bagger mixer

1 unit - M 22 Pile Hammer

1 unit - Crane (25 tons) Truck Mounted

1 unit - Bar Cutter

1 unit - Water Truck

1 unit - 10 Wheeler (FUSO)

6 units - 6 Wheelers (Dump Truck)

1 unit - Toyota Tamaraw (Service)

BEST AVAILABLE DOCUMENT

LIST OF LABORATORY EQUIPMENTS
As of March , 1980

DESCRIPTION	QUANTITY	UNIT
8 - inch Brass Sieve Size 3"	1	each
8 - inch Brass Sieve Size 2"	1	ea.
*8 - inch Brass Sieve Size 2.5"	1	ea.
8 - inch Brass Sieve Size 1.5	1	ea.
8 - inch Brass Sieve Size 1"	1	ea.
8 - inch Brass Sieve Size $\frac{3}{4}$"	1	ea.
8 - inch Brass Sieve Size $\frac{1}{2}$"	1	ea.
8 - inch Brass Sieve Size 3/8"	1	ea.
8 - inch Brass Sieve # 4	1	ea.
*8 - inch Brass Sieve # 10	1	ea.
*8- inch Brass Sieve # 20	1	ea.
*8 - inch Brass Sieve # 30	1	ea.
8 - inch Brass Sieve # 40	1	ea.
8 - inch Brass Sieve # 50	1	ea.
8 - inch Brass Sieve # 100	1	ea.
8 - inch Brass Sieve # 200	1	ea.
Sample Splitters, 2.5 chute width	1	ea.
Heavy Duty Solution Balance, 1 gm. Sensitivity	1	set
Triple Beam Scale 0.1 gm. Sensitivity	1	set
Micrometer Poise Balance 0.5 gm.	1	set
Oven Circulated Fan	1	ea.
Sand Absorption Cone and Tamper	1	ea.
Pycnometer Top and Jar	1	set
Volumetric Flask, 500 ml.	5	ea.
Liquid Limit Devise with Grooving Tool	2	set
Plastic Limit Set	2	set
Moisture Cans, 3 Ounces	5	doz.
Modified Compaction Mold, 1/12.33	1	set
Proctor Compaction Mold, 1/30	1	set
Compaction Hammer, 10 lbs.	1	set
Compaction Hammer, 5.5 lbs.	1	set
Sand Density Cone w/o jar	2	ea.
Concrete Cylinder Mold	3	ea.
Slump Cone with Base and Tampering Rod	1	ea.
Yield Bucket, 1/10 cu. ft.	1	ea.
Yield Bucket, 1 cu. ft.	1	ea.
Tampering Rod	3	ea.
Thermometer, 360°C	1	ea.
Gas Stove with Oven	1	ea.
Field Density Plate	2	ea.
Pan Sieve	1	ea.

NOTE:

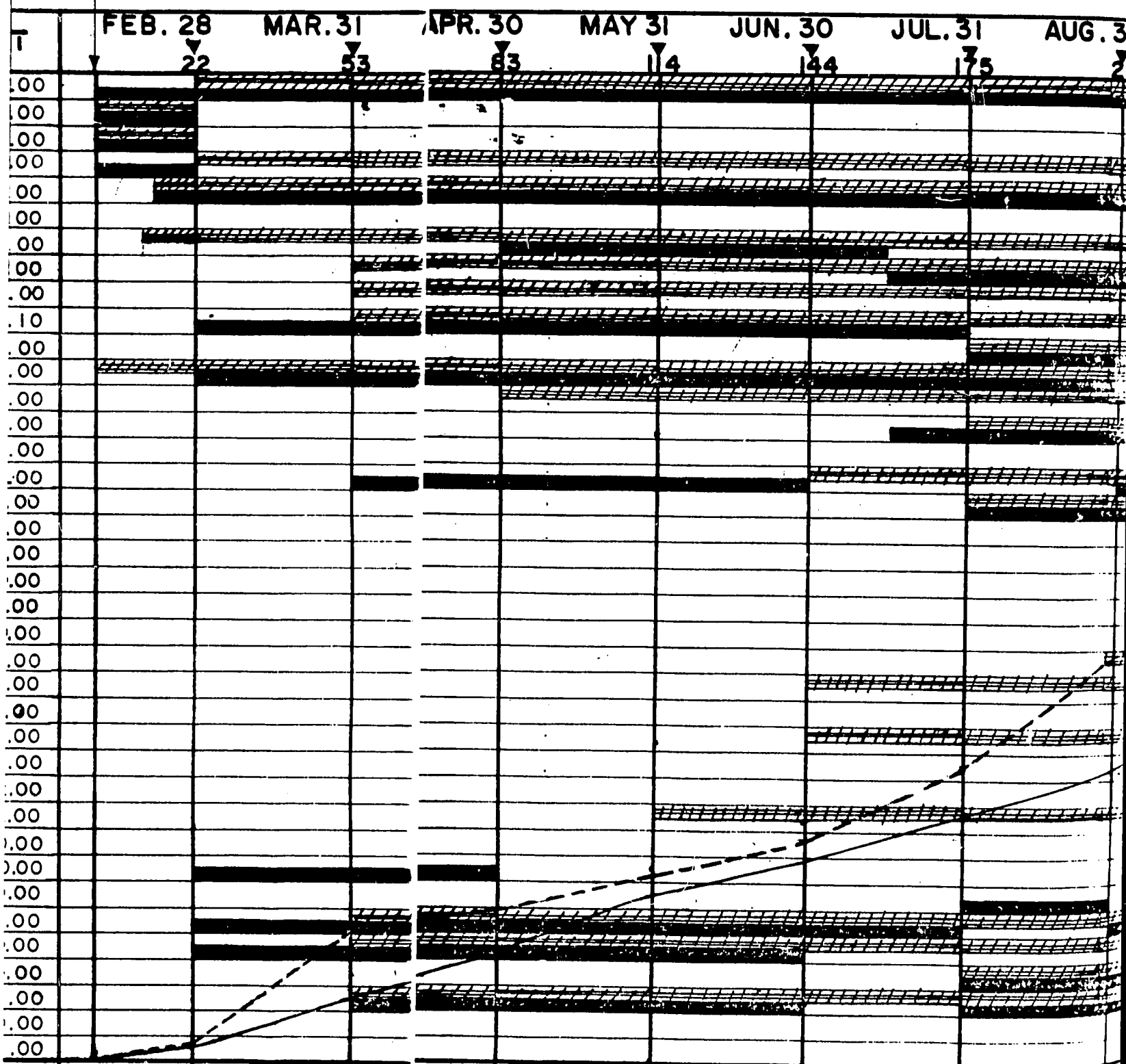
* - Out of schedule laboratory equipments delivered.
Present laboratory equipments percentage is 98%.

ITEM NO.	DESCRIPTION	ESTIMATED SCHEDULED	% WEIGHT ACCOMPLISHED PROJECT TO DATE
1.60.2	Provide and Maintain Office & Laboratory for the Engr.	0.35562	0.21738 78%
1.60.3	Provide one (1) Unit four Wheel Drive for the Engineer	0.59270	0.5[illegible]
1.60.4	Provide one(1) Unit Utility Vehicle for the Engineer	0.26342	0.26[illegible]
1.60.5	Laboratory and Office Equipment for Engr. (as listed)	0.59270	0.59[illegible]
100	Clearing and Grubbing	1.02982	1.0[illegible]
103-K(Fr. 401)	Removal of Bridge	0.02099	
105 (Secondary)	Roadway and Drainage Excavation	2.55192	0.551[illegible]
105 (Fr.401, 402)	Roadway and Drainage Excavation	2.37584	0.27[illegible]
105 (Fr. 403)	Roadway and Drainage Excavation	9.84153	0.92[illegible]
106	Excavation for Structures	0.15802	0.153[illegible]
106 (Fr. 401, 402, 403)	Excavation for Structures	0.23544	0.[illegible]
107 (Secondary)	Borrow	26.98783	[illegible]
107 (Fr. 401, 402)	Borrow	11.48326	1.4954[illegible]
108 (Secondary)	Aggregate Sub-base	11.94272	0.[illegible]
108 (Fr. 401, 402, 403)	Aggregate Sub-base	8.77055	0.6[illegible]
110	Foundation	0.05968	0.[illegible]
111	Overhaul (300 m. Free haul)	0.05445	0.[illegible]
200	Aggregate Base Course	3 85876	
302	Medium curing Cut-Back Asphalt, Grade MC-1 for Bit. Pr. Coat	1.00760	0.07[illegible]
314-1	Aggregate Material for B ST, (Hot Asphalt Type)	0.57624	
314-3	85-100 Penetration Asphalt Cem. for BST (Hot Asphalt Type)	2.01520	
401 (Fr. 401)	Timber (Detour) Trestle (Superstruc. only on Conc. Pile Bent)	0.39514	
402-2.5	Precast Concrete Piles	2.31451	1.[illegible]
402-2.5 a	Concrete Test Piles (Furnish and Drive)	0.44453	0.[illegible]
403	Concrete Railings	0.08853	
405	Concrete Class "A" (Miscellaneous)	2.76620	1.[illegible]
405-1	Concrete Class "A" (Bridge)	1.04662	0.[illegible]
405-1 (Fr. 401)	Concrete Class "A" (Bridge)	0.08563	
406 (Secondary)	Reinforcing Steel	1.44226	1.[illegible]
406 (Fr. 401, 402, 403)	Reinforcing Steel	0.22416	
413-1	0.30 M. Ø Reinforced Concrete Pipe	0.03820	
413-1 (Fr. 401)	0.30 M. Ø Reinforced Concrete Pipe	0.00691	0.0069[illegible]
413-2	0.60 M. Ø Reinforced Concrete Pipe	1.02810	0.7[illegible]
413-3 (Secondary)	0.90 M. Ø Reinforced Concrete Pipe	0.49000	0.7[illegible]
413-3 (Fr. 401, 402, 403)	0.90 M. Ø Reinforced Concrete Pipe	1.45122	0.[illegible]
413-4	1.20 M. Ø Reinforced Concrete Pipe	2.80794	1.[illegible]
500	Riprap and Grouted	0.2346	
510	Right-of-Way Marker	0.36115	0.00067
	TOTAL	100.0000	75.[illegible]
		MONTHL[illegible]	ACCOMP[illegible] TIVE TOTA[illegible]

FEBRUARY 7, 1979
START OF CONTRACT
TIME

O N	ESTIMATED % WEIGHT SCHEDULED	ACCOMPLISHED PROJECT TO DATE		QUANTITY	UNIT COST	AMOUNT	FEB. 2
for the Engr.	0.35562	0.27738	78%	18 MO.	₱2,400/mo.	₱43,200.00	
Engineer	0.59270	0.5			Lump Sum	72,000.00	
Engineer	0.26342	0.26342	100		Lump Sum	32,000.00	
ir. (as listed)	0.59270	0.59270	100		Lump Sum	72,000.00	
	1.02982	1.0[illegible]	10[illegible]	27.8 Ha.	4,300.00	125,100.00	
	0.02099			1 Each	₱2,550.00	2,550.00	
	2.55192	2.551[illegible]	[illegible]	15,500 Cu.m.	20.00	310,000.00	
	2.37584	2.37584	99.[illegible]	15,190 Cu.m.	19.00	288,610.00	
	9.84153	9.8[illegible]	99.[illegible]	74,720 Cu.m.	16.00	₱1,195,520.00	
	0.15802	0.1580	100	770 Cu.m.	24.93	19,196.10	
	0.23544	0.2[illegible]	80	1,300 Cu.m.	22.00	28,600.00	
	26.98783	6.[illegible]	1[illegible]	02,450 Cu.m.	32.00	3,278,400.00	
	11.48326	1.4[illegible]	[illegible]	44,710 Cu.m.	31.20	1,394,952.00	
	11.94272	[illegible]	[illegible]	25,700 Cu.m.	56.45	1,450,765.00	
	8.77055	0.6[illegible]	7.[illegible]	19,730 Cu.m.	54.00	1,065,420.00	
	0.05968	[illegible]	[illegible]	145 Cu.m.	50.00	7,250.00	
	0.05445	0.05445	100	22,050 Sta.m.	0.30	6,615.00	
	3.85876			7,500 Cu.m.	62.50	468,750.00	
IC-I for Blt. Pr. Coat	1.00760	0.07[illegible]	7.[illegible]	51 M.T.	2,400.00	122,400.00	
phalt Type)	0.57624			700 Cu.m.	100.00	70,000.00	
(Hot Asphalt Type)	2.01520			102 M.T.	2,400.00	244,800.00	
Conc. Pile Bent)	0.39514			4 SPANS	12,000.00	48,000.00	
	2.31451	1.[illegible]	[illegible]	396 L.M.	710.00	281,160.00	
	0.44453	[illegible]	[illegible]	4 Each	13,500.00	54,000.00	
	0.08853			71.70 L.M.	150.00	10,755.00	
	2.76620	[illegible]		487	690.00	336,030.00	
	1.04662	[illegible]		163 Cu.m.	780.00	127,140.00	
	0.08563			14 Cu.m.	743.00	10,402.00	
	1.44226	[illegible]		25,765 Kgs.	6.80	175,202.00	
	0.22416			3,890 Kgs.	7.00	27,230.00	
	0.03820			29 L.M.	160.00	4,640.00	
	0.00691	0.0069[illegible]	100	6 L.M.	140.00	840.00	
	1.02810	0.7[illegible]	[illegible]	362 L.M.	345.00	124,890.00	
	0.49000	0.74[illegible]	153	96 L.M	620.00	59,520.00	
	1.45122	0.[illegible]	65	289 L.M.	610.00	176,290.00	
	2.80794	1.5[illegible]	66	379 L.M.	900.00	341,100.00	
	0.23461			190 Cu.m.	150.00	28,500.00	
	0.36115	0.06067	16.6	914 L.M.	48.00	43,872.00	
	100.0000	75.[illegible]				₱12,147,699.10	
	MONTHL	ACCOMPLISHMENT					₱181,000
	CUMULA	IVE TOTAL AMOUNT					

BAR SCHEDULE OF WORK
OF
MINALABAC – ANTIPOLO – HUBC



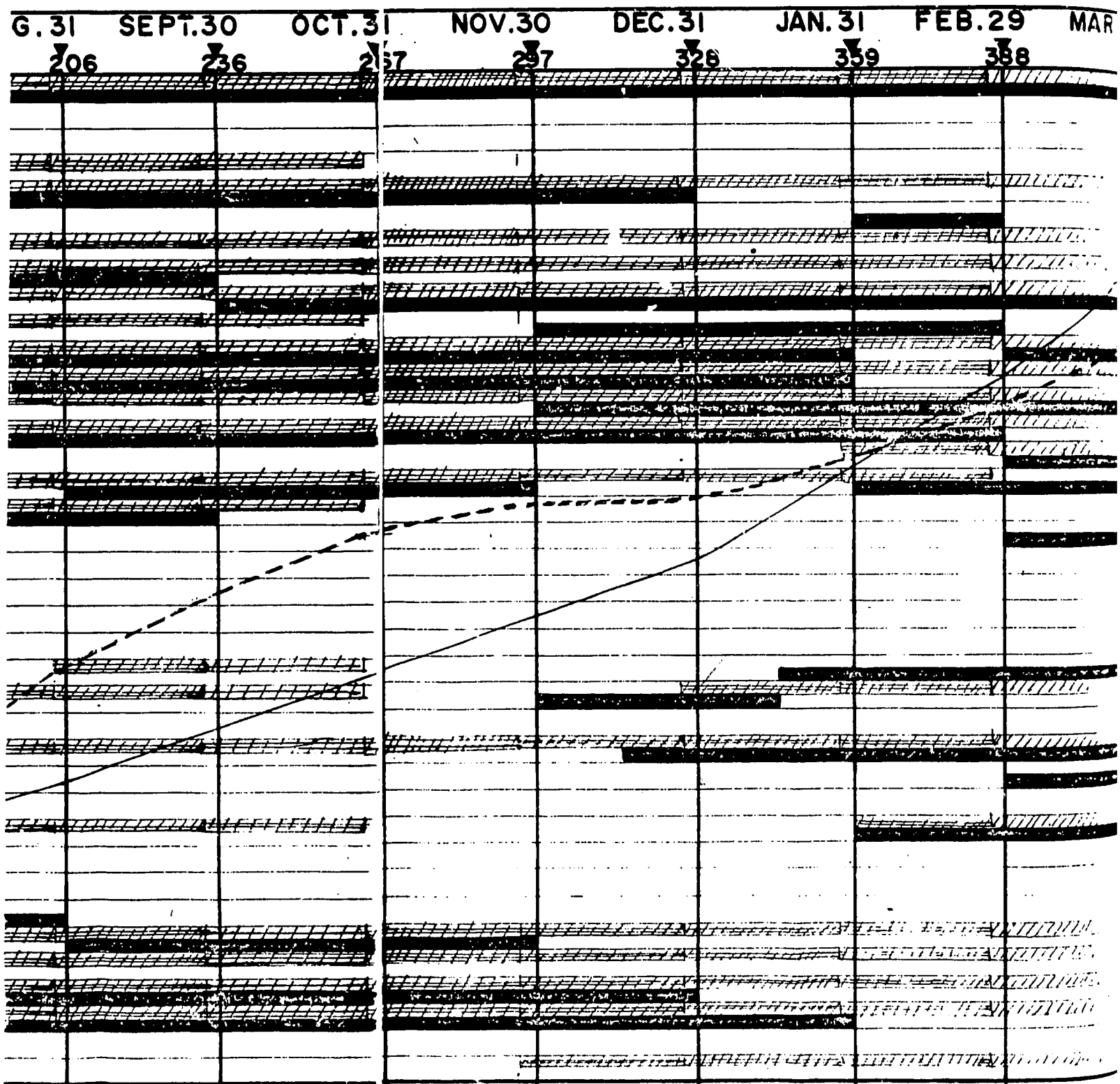
₱181,000.72	581,874.79	553,135.08	742,224.41	431,243.32	523,565.83	606,170.19	6
₱	762,875.51	1,316,310.59	2,059,035.00	2,490,278.32	3,013,844.15	3,620,014.34	4

RK

30 ROAD

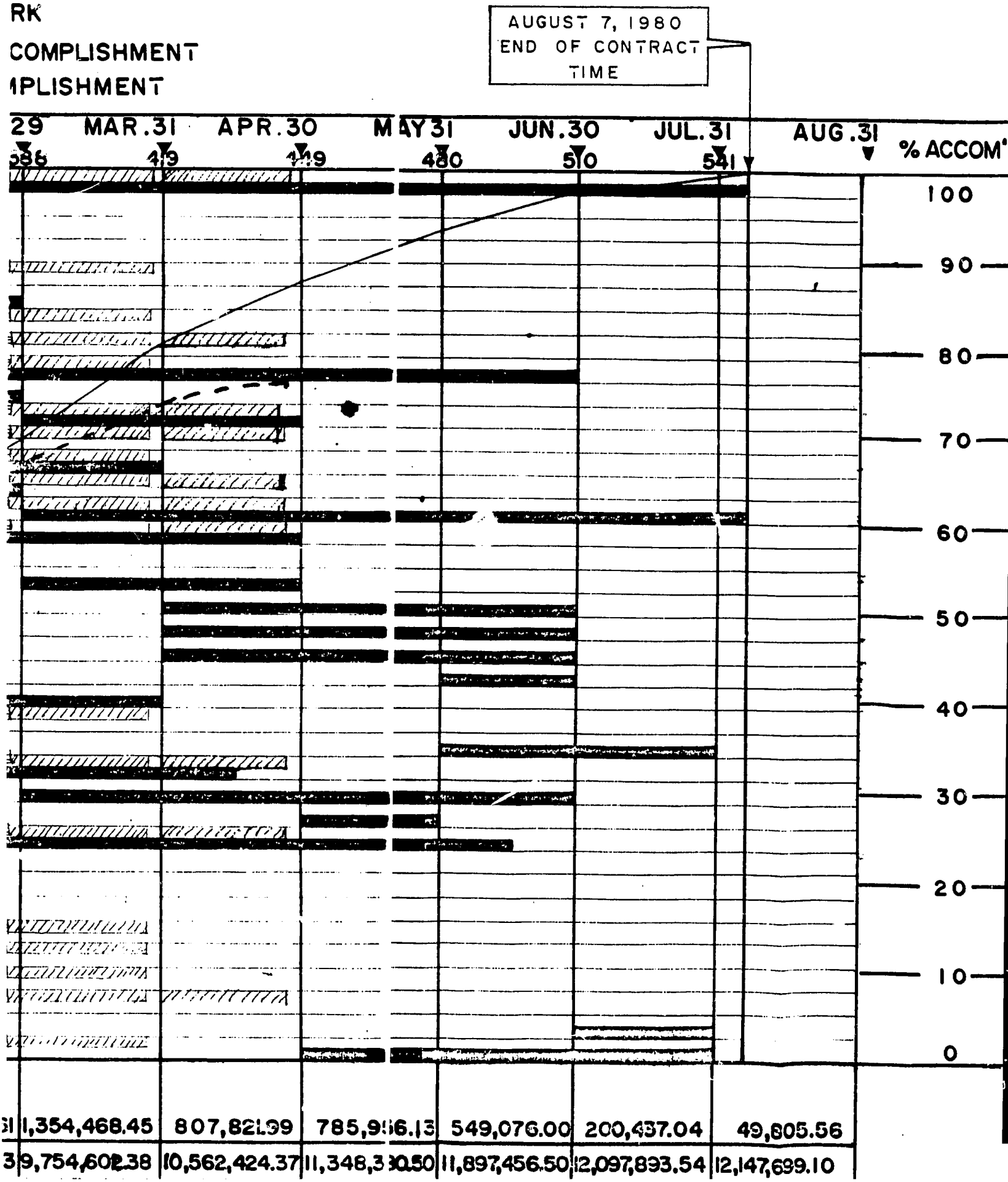
LEGEND:

- PREVIOUS ACCOMPLISHME
- PROGRESS THIS REPORT
- SCHEDULED WORK
- SCHEDULED ACCOMPLISHM
- ACTUAL ACCOMPLISHME



.19	621,962.19	635,324.66	653,546.21	697,277.93	1,082,359.99	1,089,648.61	1,354,468.
4.34	4,241,976.53	4,877,301.19	5,530,847.40	6,228,125.33	7,310,485.32	8,400,137.93	9,754,602.

MPLISHMENT
REPORT
RK
COMPLISHMENT
MPLISHMENT



BICOL RIVER BASIN DEVELOPMENT PROJECT
ROAD COMPONENTS

MANPOWER SCHEDULE OF CONSULTANTS STAFF FOR CONSTRUCTION SUPERVISION

PACKAGE II

NAMES	POSITION	1 N	2 D	3 J	4 F	5 M	6 A	7 M	8 J	9 J	10 A	11 S	12 O	13 N	14 D	15 J	16 F	17 M	18 A	19 M	MEN MONTHS
A. E. BANDELARIA	DEPUTY PROJ. MGR.																				18
L. D. MAYOR	SR. HWY. ENGR. / R.E.																				18
F. G. OBUSAN	SR. BR. ENGR. / R.E.																				18
M. D. LACSAMANA	SR. LCC. ENGR.																				18
J. A. TORRALBA	SR. MAT. ENGR. / R.E.																				18
F. C. ROSALES	ADM. OFFICER																				18
L. P. JOSE	CLERK / TYPIST																				16
T. S. SABABAN	MESSR. / JANITOR																				18
																				SUB - TOTAL	144

SUB - PROJ. NO. 6 PALISTINA - SN. ANTONIO - MINALABAC ROAD

V. B. ZANO	RESIDENT ENGINEER																				18
R. R. RAFER	ENGR. INSP. (HWY.)																				18
R. NUNEZ	ENGR. INSP. (BRIDGE)																				10
W. B. CONCEPCION	MATL'S. ENGR.																				18
B. V. ACORDA	SURVEYOR / DRFTMN.																				18
C. D. DELFIN	LAB. TECHNICIAN																				18
V. L. DELA CRUZ	CLERK / TYPIST																				18
A. B. LAUDIT	JANITOR / MESGR.																				18
A. P. CONDAT	LABORER																				18
																				SUB - TOTAL	

April 25, 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.

AMADO E. BANDELARIA
Deputy Project Manager