REPUBLIC OF THE PHILIPPINES

MINISTRY OF PUBLIC HIGHWAYS

MANILA

BICOL RIVER BASIN DEVELOPMENT PROJECTS SECONDARY & FEEDER ROADS

CAMARINES SUR

PACKAGE II

MONTHLY CONSTRUCTION REPORT

DECEMBER, 1982

INTEGRATED PHILCONSULT INC.
CONSULTING ENGINEERS
PHILIPPINES

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Bicol Secondary and Feeder Roads Project
PROGRESS & SUMMARY OF TOTAL ACCUMULATED % ACCOMPLISHMENTS
As of December, 1982, for PACKAGE NO. II

Name of Contract Section (Contractor)	Target Date (Revised, Latest)	% ACCOMPLISHMENTS			Slippage (Total)		REMARKS
		Previous Total	Report Period	Total (Current)	Previous	As of Report	
PILI-MATAGOOC ROAD PROJECT (AEK Construction & Dev. Corp.)	January 23, 1983	99.89	0.07	99.96	3.81 (+)	2.40 (+)	
PALESTINA-SAN ANTONIO-MINALABAC ROAD PROJECT (South Motorist Enterprises)	July 29, 1983	81.56	3.49	85.05	1.13 (-)	2.98 (+)	Bar Schedule revised this month.

CERTIFIED CORRECT:

(Sgd.) ABARG R. BANDELARIA
Project Manager
Package No. II

vcc/4.5.83

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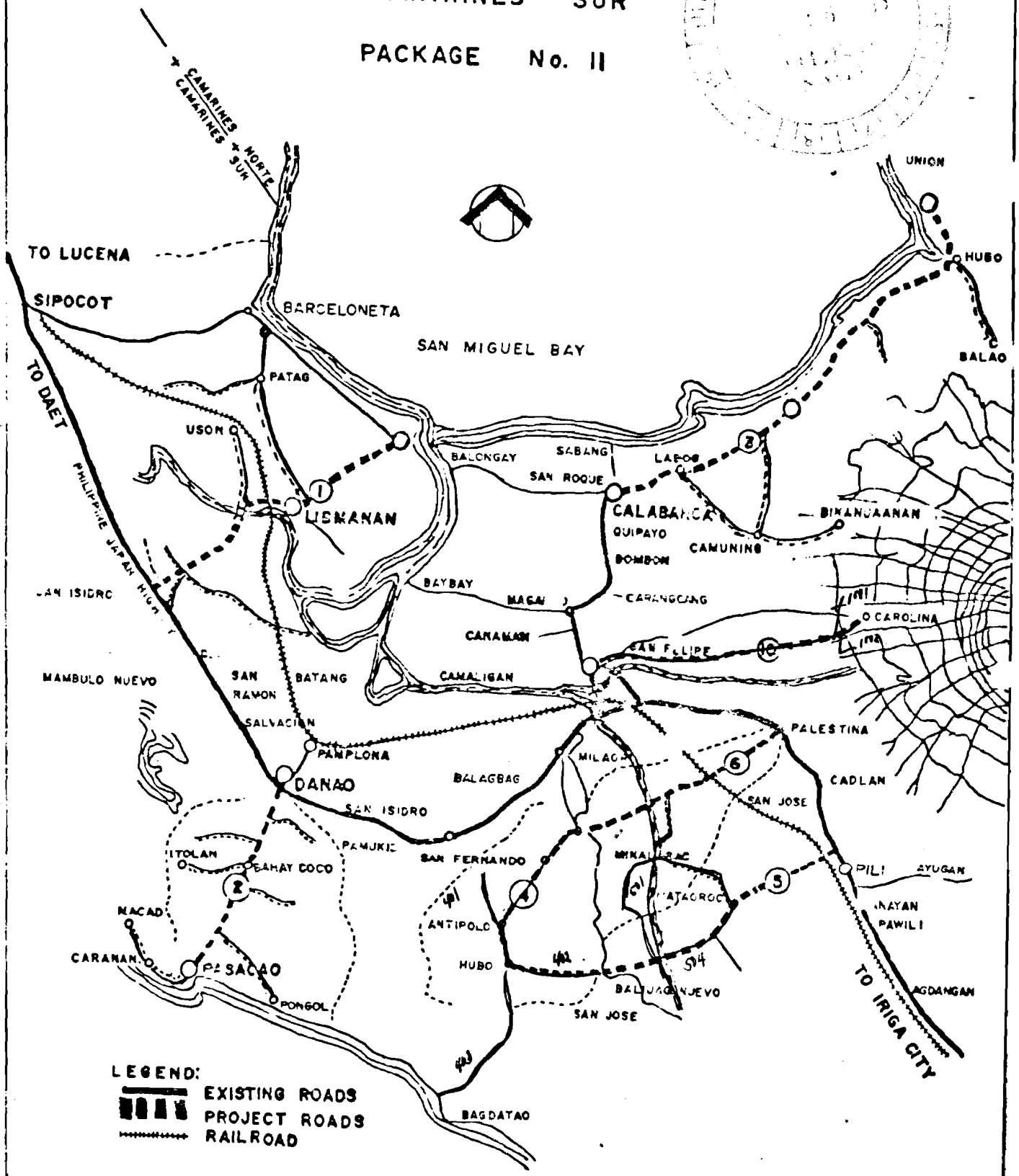
FIGURE 1

BICOL RIVER BASIN DEVELOPMENT PROJECT
SECONDARY AND FEEDER ROADS
CAMARINES SUR

PACKAGE No. II



LOCATION PLAN

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Bicol River Basin Development Projects

Secondary & Feeder Roads

PACKAGE II

Pili-Mataoroc Road Project

Sub-Project No. 5

MONTHLY CONSTRUCTION PROGRESS

REPORT NO. 35

Prepared by:

DANILO V. FILIO
Sr. Hwy. Engr /Res. Engr.

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager

PROGRESS REPORT NO. 53

PROJECT: PILI-MATAOROC ROAD PROJECT (Secondary & Feeder Roads, Sub-Project No. 5)

I GENERAL

This project consists of the construction of the following:

1. Secondary Road - 8.988 kms., from Sta. 0 + 000 to Sta. 9 + 1440.70. This road begins from the end of the 2 kms. concrete road intersecting with the Manila South Road at about 1/2 km. from Pili, going to Naga. Its end is at Baliwag Viejo, Minalabac, Camarines Sur, a barrio dependent in water transportation via Bicol River before this project came to reality. As per plan, the entire secondary road shall be asphalted with 6.10 meters wide pavement. However, due to interference of Ministry of Agrarian Reforms contractors, asphalting work has been deleted. A program of work for the concrete paving of the first 2 kms. was already submitted for approval. Drainage structures consist of RCP's of different stations, one (1) span 10m RCDG at Sta. 3 + 358.71 and 4-1.80 x 0.80m RCBS's.

2. Mataoroc-Manapao-Baliwag, Feeder Road 501- 7.135 kms., from Sta. 0 + 003.05 to Sta. 7 + 246.63. The beginning of the project is at Sta. 1 + 950 of the secondary road and ends at the end of same secondary road. A gravel road surface 4.00m wide with 1.00m shoulders is to be done which traverses

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mostly ricefields. This feeder road has the most number of drainage structures which consist of RCP's of different sizes at different stations, two-three span; one (1) single span and one-17 span timber trestle bridge superstructure on concrete pile bents.

3. Sagrada-San Isidro, Feeder Road 502 - 2.056 kms., from Sta. 0 + 029.05 to Sta. 2 + 084.96 with its beginning at Sta. 3 + 572 of the secondary road and ends at barrio San Isidro, Bula, Camarines Sur, joining with another project. A gravel road surface 4.00m wide with 1.00m shoulder is to be done which traverses ricefields. This feeder road has five lines of RCP's 1-0.80 x 0.80 RCBG and 1-3 span timber trestle bridge superstructure on concrete pile bents.

4. Manapao-Malitbog, Feeder Road 503 - 1.518 kms., from Sta. 0 + 077 to Sta. 1 + 594.75 with its beginning at Sta. 3 + 884 of feeder road 501 and is the only road that does not join with another project although its end is adjacent to the Palestina-San Antonio-Minalabac Road Project. Plans for the road and bridge that will connect this feeder road to the Maydaso-Taririk-Baras-Malitbog Feeder Road was already submitted for approval. A gravel road surface 4.00 wide with 1.00m shoulders is to be constructed which passes through ricefields. Drainage structures consist of RCP's of different sizes at different stations and 1-0.80 x 0.80m and 2.10 RCBG's.

5. San Jose-San Ramon, Feeder Road 504 - 1.961 kms. from Sta. 0 + 114.09 to Sta. 1 + 998.27 with its beginning at Sta. 6 + 710 at the secondary road and ends at barrio San Ramon, Bula,

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Ca·ariner Sur oining with another road to ec . A gravel road surface 4.00m wide with 1.00m shoulders is to be constructed which also passes through ricefields. Drainage structures consist of RCP's different sizes at different stations 1-0.80 x 0.80 RCDG and 1-3 span timber trestle bridge superstructure on concrete pile bents.

II PROGRESS

The contractor has already completed all the Feeder Roads and minor deficiencies were corrected at the Secondary Road after the joint inspection last November 17, 1982. There was no construction operation during the month inasmuch as the change order for restoration of typhoon damages brought by Ruping and the concrete paving of the first two (2) kilometers of the Secondary Road is still waiting for approval. However, the contractor intends to work on the concreting work this coming January.

Percent Accomplished ---------- -- 99.[illegible]5%*

Percent Time Elapsed - ---------- ---- 94.782[illegible]1%

Percent Slippage -------- ---------- -- 2.40437% (+)

* Percent Accomplished is 74.88583% if Change Order No. 4 is taken into consideration. Change Order No. 4 involves an amount of ₱2 118 820.00 for the concreting of the first two (2) kilometers of the Secondary Road.

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

Secondary Road completed with surfacing of aggregate base course

II.b ROADS BRIDGES AND DRAINAGE STRUCTURES

Feeder Road No. 501 - Mangoloc-Manaao-Balivag

Feeder Road No. 502 - Sagrada-San Isidro

Feeder Road No. 503 - Manaao-Malitbog

Feeder Road No. 504 - San Jose-San Ramon

All the feeder roads completed.

III SUMMARY OF PHYSICAL ACCOMPLISHMENT TO DATE

A. Roads	Secondary Roads	Feeder Roads
Subgrade	8.988 ms.	12.67 ms.
Subbase	8.988 ms.	12.67 ms.
Base	8.988 ms.	-
Surfacing	-	-
B. Bridges		
Substructures	10 LM RC	180 LM RC
Superstructure	10 LM RC	180 LM RC

IV COMMENTS AND RECOMMENDATIONS

With the contractor's plan of starting concreting work this coming January it is suggested that procurement of materials, especially the aggregates be started now so that scarcity of materials will not become a problem.

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WEATHER REPORT
November 21 1982 to December 20 1982

PROJECT: PILI-MATAOPOC ROAD PROJECT
Sub-Project No. 5

Date		Weather	Remarks	Time Extension Recommended
Nov.	21	Fair	Workable	None
	22	Fair	Workable	None
	23	Fair to cloudy	Workable	None
	24	Fair	Workable	None
	25	Fair to cloudy	Workable	None
	26	Cloudy	Workable	None
	27	Cloudy	Workable	None
	28	Fair	Workable	None
	29	Fair	Workable	None
	30	Fair	Workable	None
Dec	1	Cloudy	Workable	None
	2	Fair to cloudy with rain	Workable	None
	3	Cloudy with rain	Unworkable	None
	4	Fair	Workable	None
	5	Fair AM cloudy PM	Workable	None
	6	Cloudy w/ scattered rain	Workable	None
	7	Rainy (Typhoon Aning Signal No. 2)	Unworkable	None
	8	Rainy (Typhoon Didang Signal # 2)	Unworkable	None
	9	Cloudy w/ light rain	Unworkable	None
	10	Cloudy w/ rain	Unworkable	None
	11	Fair to cloudy	Workable	None
	12	Fair to cloudy	Workable	None
	13	Fair to cloudy	Workable	None
	14	Fair to cloudy	Workable	None
	15	Fair to cloudy	Workable	None
	16	Fair	Workable	None
	17	Fair	Workable	None
	18	Fair AM rainy PM	Workable	None
	19	Cloudy	Workable	None
	20	Rainy AM cloudy PM	Unworkable	None

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH ----- 3 days
TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY -----16 days
GRAND TOTAL TO DATE -----19 days
ORIGINAL CONTRACT TIME ---------- --- ------ ---345 calendar days
DATE OF EFFECTIVITY OF CONTRACT ----------January 25 1982
ORIGINAL EXPIRY DATE ---------- ----------January 4 1983
REVISED EXPIRY DATE --------- ------- -- -----January 20 1983

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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONTRACTOR: ARM CONSTRUCTION AND DEVELOPMENT CORPORATION

FOR THE MONTH OF DECEMBER 1982

	ADMINISTRATIVE FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
MANILA BASED 1/	1	2	8	
LOCAL HIRED 2/	2	6	26	7
SUB-CONTRACTORS 3/				
TOTAL	3	8	34	7

1/ Includes permanent employees

2/ Employees residing within the basin area

3/ Local hired only

Submitted by:

(SGD.) DOMINICO D. MANGUBAT
Project Engineer

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ARM CONSTRUCTION AND DEV. CORP.
Pili-Mataoroc Road

LIST OF PERSONNEL
as of Dec. 20, 1982

Technical Staff

Dominico D. Mangubat	Project Engineer	Civil Engineer
Alfredo Gatpandan	Equipt. Supervisor	Mechanical Engineer
Eduardo P. Lopez	Asst. Proj. Engr.	Civil Engr./Jr. Geodetic Engineer
Freddie Villagracia	C.E. Aide (Roadworks)	C.E. Graduate
Luis Parco	C.E. Aide (Drainage)	-do-
Loreto San Buenaventura	C.E. Aide (Office)	-do-

Administrative Staff

Dionisio Depamaylo	Disbursing Officer	BSC
Fidela Teresa Rosales	Clerk/Typist	Experienced
Ireneo Salvador	Materials Checker	-do-
Ramon Velasco	Service Driver	-do-
Armando Tengco	-do-	-do-

Construction Division

Felix Almario	Roller Operator	Experienced
Medardo Busterero	Bulldozer Operator	-do-
Cresencio Gabion	PL Operator	-do-
Armando Domingo	Mechanic	-do-

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Construction Division continued .....

Gerry Wahelda	Servicemen/Utility	Experienced
Romeo Depamaylo	-do-	-do-
Mario Florendo	Utility	-do-
Levi Dadis	-do-	-do-

(SGD.) DOMINICO D. MANGUBAT
Project Engineer

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ARM CONSTRUCTION & DEV. CORP.
Pili-Mataoroc Road Project

1 unit D8H Caterpillar Bulldozer

1 unit D60 Komatsu Bulldozer

1 unit 1.25 cu.m. Michigan Payloader

1 unit Komatsu Payloader

1 unit 10-ton Sakai Tandem Roller

1 unit 12-ton Huber Warco 3-wheeled roller

1 unit Cat. Grader

1 unit Mitsubishi LGII Grader

1 unit 1 bagger Concrete Mixer

2 unit service vehicle

[illegible] units 10-wheeler Dump Trucks

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LIST OF OFFICE EQUIPMENT

Typewriter 16" carriage (OLYMPIA)	1	pc.
Wooden Office Desk	5	pcs.
Typing table	1	pc.
Wooden Office chairs	3	pcs.
Drafting Table	1	pc.
Drafting Stool	1	pc.
Wooden Filing Cabinet	1	pc.
Wooden Horizontal Plan File	1	pc.
Protractors	2	pcs.
T-square	1	pc.
Lettering Set (LION)	1	set
Puncher	1	pc.

LIST OF LABORATORY EQUIPMENT

8 - inch Brass Sieve 3"	1	pc.
8 - inch Brass Sieve 2 1/2"	1	pc.
8 - inch Brass Sieve 2"	1	pc.
8 - inch Brass Sieve 1"	1	pc.
8 - inch Brass Sieve 3/4"	1	pc.
8 - inch Brass Sieve 1/2"	1	pc.
8 - inch Brass Sieve 3/8"	1	pc.
8 - inch Brass Sieve 4"	1	pc.
8 - inch Brass Sieve 8"	1	pc.
8 - inch Brass Sieve 10"	1	pc.
8 - inch Brass Sieve 30"	1	pc.
8 - inch Brass Sieve 40"	1	pc.
8 - inch Brass Sieve 50"	1	pc.
8 - inch Brass Sieve 100"	1	pc.
8 - inch Brass Sieve 200"	1	pc.
Brass Pan 8"	1	pc.

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Brass Cover 8"	1	pc.
Sample Splitters 2 1/2	1	set
Sample Splitters 1/2	1	set
Heavy Duty Solution Balance	1	set
Triple Beam Scale	1	set
Micrometer Poise Balance	1	set
Drying Oven	1	set
Gas Stove	1	set
Volumetric Flask 250	1	ea.
Volumetric Flask 500	1	ea.
Liquid Limit Device	1	set
Plastic Limit Set	1	set
Square Pan	12	pcs.
Moisture Cans	33	pcs.
Wire Basket for Specific Gravity	1	pc.
Hand Operated Shaker	1	set
Modified Compaction Mold 1/13.33	2	sets
Modified Compaction Mold 1/30	2	sets
Compaction Hammer 5.5	1	set
Compaction Hammer 10.00	1	set
Sand Cone Apparatus & Jug	2	ea.
Density Sand	1	ea.
Field Density Plate	2	ea.
Rubber Mallet	2	ea.
Sand Scoop	1	ea.
Field Scale	1	ea.
Field Buckets 1/30 cu.ft.	1	ea.
Field Buckets 1 cu.ft.	1	ea.
Tampering Rod	1	ea.
Laboratory Thermometer	1	ea.
Graduated Cylinder	1	ea.
Wooden Office Desks	3	pcs.
Working Table	1	pc.
Wooden Office chairs	7	pcs.
Counter w/ G.I. sink	1	pc.
Wooden Filing Cabinet	1	pc.

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Start of Original Contract - Sept. 18, 1978
Contract time of original contract - 498 calendar days
Date Terminated - July 8, 1981
Effectivity of New Contract - January 25, 1982
Contract Time of New Contract - 345 calendar days
Original Expiry Date of New Contract - January 4, 1983
Contract time including extensions - 364 days
Revised Expiry Date of Contract - January 28, 1983

PAY ITEM	DESCRIPTION	ESTIMATED % WEIG	
		SCHEDULED	ACCOMP PROJECT
1.60.2	Provide and Maintain Lab and Office for Engineer	0.83606	0.79901
105	Roadway and Drainage Excavation	2.09011	2.09011
106	Excavation for Structure	0.29676	0.29676
107	Borrow	10.35505	10.35505
107-1	Borrow	34.76593	34.74593
108	Aggregate Subbase	21.63354	21.63354
110	Foundation Fill	0.25793	0.25793
118	Repreparation	1.54730	1.54730
200	Aggregate Base Course	14.24226	14.24226
401	Timber (Detour) Trestle (Superstructure Only) on Conc. Pile Bent	3.49280	3.49280
405	Concrete Class A (Miscellaneous)	5.47140	5.47140
406	Reinforcing Steel	1.77803	1.77803
413	0.30 M Ø Reinforced Concrete Pipes	0.50341	0.50341
413-1	0.45 M Ø Reinforced Concrete Pipes	0.43878	0.43878
413-3	0.90 M Ø Reinforced Concrete Pipes	0.35065	0.35065
413-4	1.20 M Ø Reinforced Concrete Pipes	0.54012	0.54012
510	Right-of-Way Markers	1.23056	1.23056
500	Grouted Riprap	0.18931	0.18931
		100.0000	99.96[illegible] As

CUMMULATIVE TOTAL AMOUNT

* Percent Accomplished is 74.83136% if Change Order No. 4 is taken into consideration. Change Order No. 4 involves an amount of P2,118,690.00 for the concreting of the first 2 kilometers of the Secondary Road.

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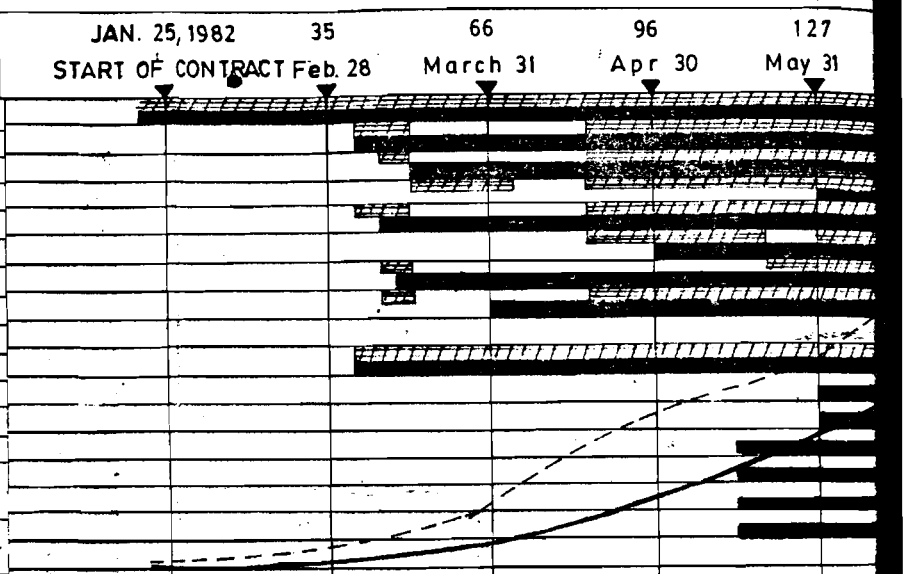
REVISED BAR SCHEDULE OF WORK

PILI- MATAOROC ROAD PROJECT

(2nd. Revision)

(Includes Change Order No. 1, 2 & 3)

EM	QUANTITY	UNIT COST	AMOUNT
.65	11.50	4600.00	52900.00
.00	4007.50	33.00	132247.50
.60	284.50	66.00	18777.00
.00	11105	59.00	655195.00
.00	31862	69.00	2198478.00
.00	13289.50	103.00	1368818.50
.00	120	136.00	16320.00
.00	18	5439.00	77902.00
.00	6725	134.00	901150.00
.00	13	17000.00	221000.00
.00	308	1124.00	346192.00
.00	9534	11.80	112501.20
.00	137	232.50	31852.50
.00	72	385.60	27763.20
.00	21	1056.50	22186.50
.00	22	1553.40	34174.80
.00	226	53.00	11,978.00
	227	343.00	[illegible]
20,	1982		[illegible]



1115.00	4600.00	343440.20	55283.51	787793.16	1032
	5715.00	349155.20	901438.71	1689231.87	272

Prepared by:

DOMINICO D. MANGUBAT
Project Engineer
ARM Construction & Development Corp.

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager
Integrated Philconsult, Inc.

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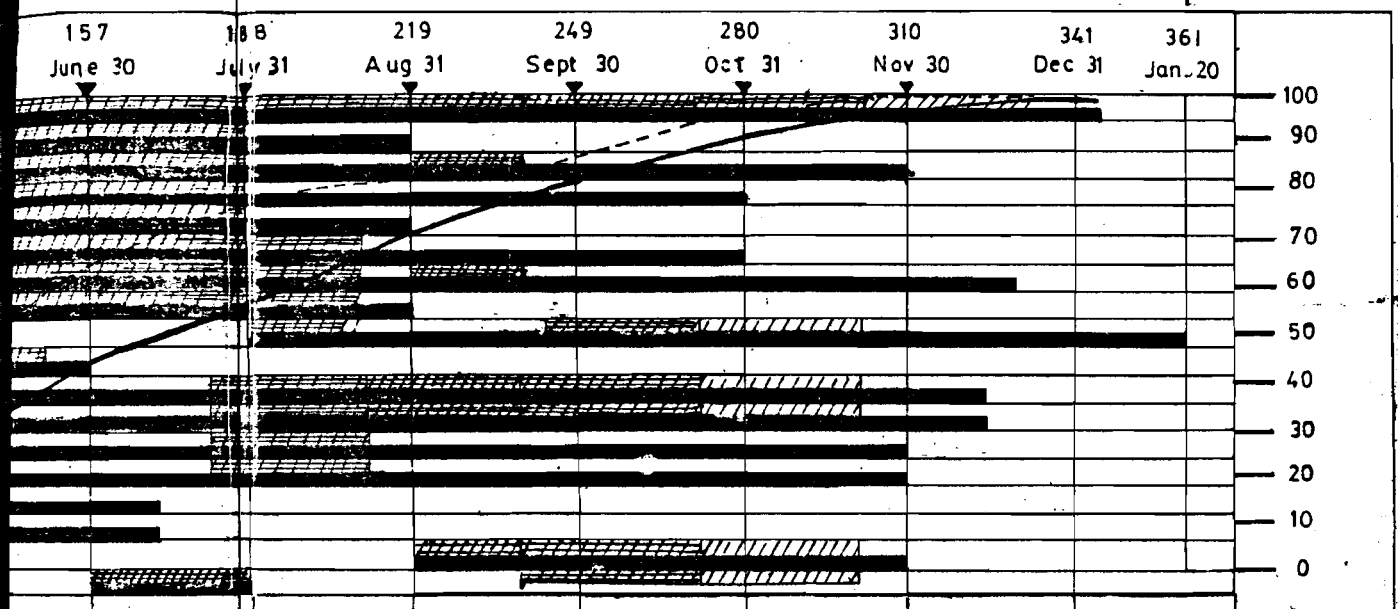
ORIGINAL EXPIRY DATE - JAN. 4, 1983
REVISED EXPIRY DATE - JAN. 28, 1983

END OF CONTRACT TIME



33.13	1147673.80	767733.66	527124.43	611218.17	265836.17	204108.32	82057.65
565.00	3869238.8	4636972.46	5164096.89	5775315.06	6041151.23	6245259.55	6327297.20

Approved:

ANGEL E. SALVADOR
Project Manager
Project Management Office

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BICOL RIVER BASIN DEVELOPMEI
ROAD COMPONENT
MANPOWER SCHEDULE OF CONSULT
PACKAGE II

NAME	POSITION	1978 6	1979 18
AMADO E. BANDELARIA	DEPUTY PROJECT MGR.		
D. V. FILIO	SR. HIGHWAY ENGINEER/R.E.		
R. G. OBUSAN	SR. BRIDGE ENGR.		
M. D. LACSAMANA	SR. LOCATION ENGINEER		
J. A. TORRALBA	SR. MATERIALS ENGR.		
F. C. ROSALES	ADMINISTRATIVE OFF.		
V. DIC. CLARIDAD	CLERK / TYPIST		
T. S. SABABAN	MESSR. JANITOR		

SUB-PROJECT NO. 5, PILI-MATAO

D. V. FILIO	SR. HWY. ENGR. / R. E.		
L. I. VILLAREY	ENGR. INSP. HWY.		
E. L. REYES	ENGR. INSP. BRIDGE		
M. B. DELFIN	MATERIALS ENGINEER		
A. P. ESPAÑO	SURVEYOR/DRAFTSMAN		
F. V. YBAROLA	LAB. TECH.		
C. SB. ALCANTARA	CLERK/TYPIST		
R. A. TALLE	MESSR. JANITOR		
E. SJ. AGNA	LABORER		

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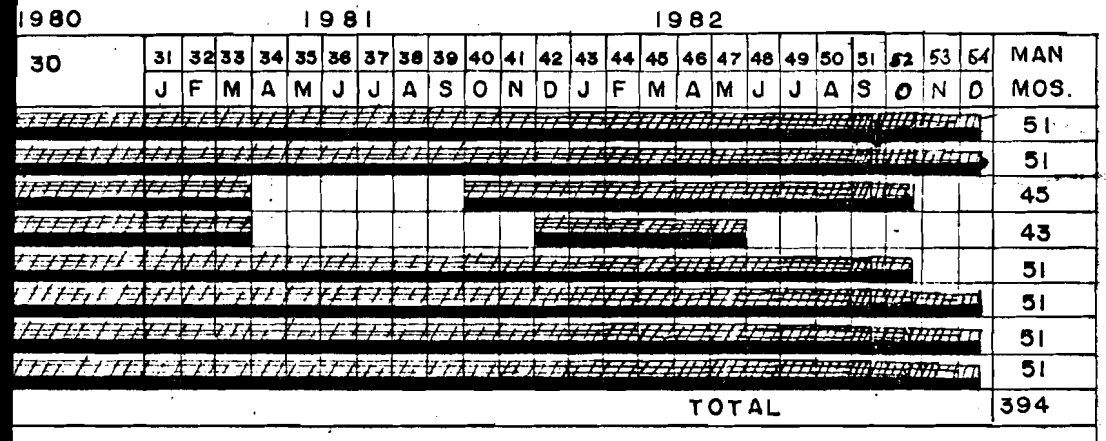
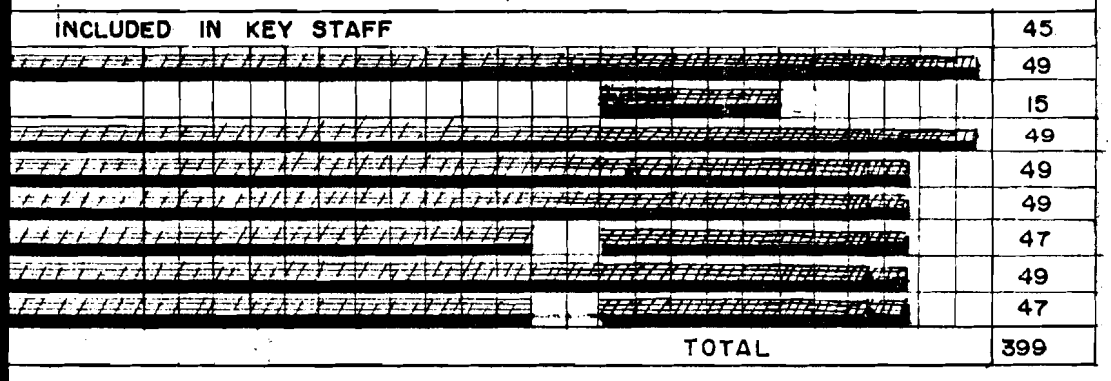
T PROJECTS

ANT STAFF FOR CONSTRUCTION SUPERVISION



ROC ROAD



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Bicol River Basin Development Project

Secondary & Feeder Roads

Package II

Palestina-San Antonio-Minalabac Road

Sub-Project No. 6

MONTHLY CONSTRUCTION PROGRESS

REPORT NO. 38

Prepared by:

DANILO V. FILIO
Resident Engineer

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager

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PROGRESS REPORT NO. 30
December, 1982

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

1. GENERAL

This project consists of the construction of one (1) Secondary Road and one (1) Feeder Road (601) which are as follows:

a) Secondary Road

This road starts from Sta. 0 + 000 which is the junction of the National Highway and the road going to Barangay San Antonio, Milaor, and ends up to Sta. 8 + 216.81 for a length of 8.2 kms. The first 4.2 kms of this Secondary Road will have an Asphalt wearing course under Item 314 and the remaining portion to have a gravel surface course under Item 108. It will have a width of 6.10 meters and a one (1) meter shoulder on each side. A three (3) span RCDG Bridge is scheduled to be constructed over (Maydaso) creek at Sta. 5 + 216.70 of this road plus installation of Reinforced Concrete Pipes.

b) Feeder Road (601)

This road starts from Barangay Maydaso, at Sta. 0 + 000 and passes through Barangays Taririk, Baras and Malitbog finally ending at Sta. 5 + 147.54 for length of 5.15 kms. It has a width of four (4) meters, a shoulder of one (1) meter on each side and a gravel surface course under Item 108. Drainage structures are composed of a seven (7) span Timber bridge on concrete pile bents over Baras Creek at sta. 4 + 923 and

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Reinforced Concrete Pipes on other critical sections. Incidentally, this Feeder Road forms a loop starting from the Secondary Road forms a loop starting from the Secondary Road at Maydaso and eventually ending at Barangay Malitbog's portion of the same Secondary Road.

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PROGRESS

The contractor continues with his asphalting work even though there was a delay in the delivery of the asphaltic materials.

Activity in the timber trestle bridge at Baras Creek is on launching of the available stringers to place and riprapping at Abutment 1 which is incorporated in Change Order No. 6. The complete lumber materials is not yet delivered.

Reshaping and correction of the roadway at the Feeder Road was undertaken this month. The contractor has also delivered Item 200 beyond the portion to be asphalted on the Secondary Road which is embodied in Change Order No. 5. Installation of additional reinforced concrete pipes and construction of headwalls were also accomplished by the contractor.

COMMENTS AND RECOMMENDATIONS

The contractor continues to push through with his construction by undertaking the asphalting work, delivering aggregate base course which is embodied in Change Order No. 5 and performing other minor work. Insufficient daily delivery of aggregate materials for asphalting work and base course may again delay the prosecution of the project. Added to this is the non-delivery of the lumber materials for the timber trestle bridges.

It is to be noted that the reshaping of the feeder road was

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undertaken during the month. However, it still need corrections at various sections. Likewise, reshaping at the Secondary Road should also be done before the aggregate base course is placed.

As for the problem with the PNR barricade, the contractor agreed to furnish the needed lumber materials to protect the rails at the crossing. While there is no repair work is done on the railroad crossing, the contractor was also advised to repair the barangay road at San Antonio which they are using now. They only need to spread the available road materials at the sides of this barangay road to have a better riding surface.

Percent Accomplished ---------- 85.05436%

Percent Time Elapsed ---------- 65.68

Percent Slippage ---------- 2.98435 (+)

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ACTIVITIES OF THE MONTH

A. SECONDARY ROAD - (Sta. 0 + 000 to Sta. 8 + 225)

1. Item 108 - Aggregate Subbase

No activity during the month.

2. Item 200 - Aggregate Base Course

Hauling of Item 200 from Sta. 4 + 300 to sta. 4 + 940

3. Asphalt paving from sta. 0 + 100 to sta. 1 + 800.

BRIDGES

1. Riprapping along side slope of both approaches of Maydaso Bridge completed.

B. FEEDER ROAD - (Sta. 0 + 000 to Sta. 5 + 175)

1. Item 107 - Borrow

No activity on this item.

2. Item 108 - Aggregate Subbase

Reshaping and rolling from sta. 4 + 900 to Sta. 5 + 140

3. Item 105-4 Excavation of Unsuitable Materials

No activity.

C. CONSTRUCTION SURVEY

Staking out limits of construction and establishing grade lines for Items 107, 108, 200 and 314.

BRIDGES

1. Taririk Timber Trestle Bridge (Superstructure only on Concrete Pile Bent) - 7 span @ 6 M per span - 100% cpmpleted. Item 500 (Grouted Riprap) along side slope of both approaches of bridge completed.

2. Baras Timber Trestle Bridge (Superstructure only on

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Concrete Pile Bent) - Placing of bearing caps and stringers.

PHYSICAL ACCOMPLISHMENT

SECONDARY ROAD

A. Palestina-San Antonio-Minalabac - Sta. 0 + 000 to Sta. 8 + 225

a) Road:

Subgrade ---------- 8.225 km.

Subbase ---------- 8.225 km.

Base Course ---------- 4.940 km.

Asphalt ---------- 1.700 km.

b) Bridge:

Maydaso RCDG Bridge - (3 span @ 10 M per span) - 100% completed. Construction of Item 500 (Riprap and Grouted) along side slope of both approaches of bridge is now 100% completed.

FEEDER ROAD

B. Maydaso-Taririk-Malitbog-Baras Road - Sta. 0 + 000 to Sta. 5 + 175

a) Road:

Subgrade ---------- 5.14 kms.

Subbase ---------- 5.14 kms.

b) Bridges:

1. Taririk Timber Trestle Bridge (Superstructure only) on Concrete Pile Bent - 7 span @ 6 M per span - 100% completed.

Construction of Item 500 (Riprap and Grouted) along side slope of both approaches of bridge is now 100% completed.

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2. Baras Timber Trestle Bridge (Superstructure only on Concrete Pile Bent) - All substructures completed.

Equivalent of 2 span of TbTe superstructure completed.

SUMMARY OF PHYSICAL ACCOMPLISHMENT TO DATE

A. Roads	Secondary Road	Feeder Road
Subgrade	8.225 km.	5.140 km.
Subbase	8.225 km.	5.140 km.
Base	4.940 km.	-
Surfacing	1.700 km. (Asphalt)	-
B. Bridges		
Substructure	30 L.M. R.C.	60 LM RC
Superstructure	30 L.M. R.C.	54 LM RC

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SCHEDULE OF REINFORCED CONCRETE PIPE

A. SECONDARY ROAD - PALESTINA-SAN ANTONIO-MINALABAC ROAD

STATION	As per Plan SIZE	As per Plan L.M.	Installed SIZE	Installed L.M.	REMARKS
2 + 480			0.30	10	Included in Change Order #2
5 + 375	0.60	13			Transferred to Sta.5 + 275
5 + 275			0.60	13	Completed with headwall
5 + 850	0.60	12			Transferred to Sta. 5 + 486.26
5 + 486.26			0.60	12	Completed with headwall
5 + 810			0.60	12	Included in Change Order #2
5 + 858	0.46	14	0.46	12	Completed with headwall
5 + 922	0.60	20	0.90	50	Included in Change Order #2 Completed with headwall
6 + 300	0.60	12			Transferred to Sta.6 + 440.70
6 + 440.70			0.60	12	Completed with headwall
6 + 875			0.60	17	Completed with headwall
6 + 925	0.60	12			Transferred to Sta. 6 + 759
6 + 759			0.60	12	Completed with headwall
7 + 070			0.30	12	Included in Change Order #2
7 + 250			0.30	12	Included in Change Order #2
7 + 325			0.30	12	Included in Change Order #2
7 + 550	0.60	12			Transferred to Sta. 7 + 600
7 + 600			0.60	12	Completed with headwall
4 + 950	0.60	14			Transferred to Sta. 7 + 905
7 + 905			0.60	12	Completed with headwall
8 + 100	0.60	12	0.60	24	2-0.60 x 12 L.M.
8 + 159			0.60	7	Extended exixting 1-0.60 x 3 L.M., add 7 L.M. to the right

B. FEEDER ROAD - MAYDASO - TARIRIK-MALITBOG- BARAS ROAD

0 + 005			0.30	12	Included in Change Order #2
0 + 025	0.60	10			Transferred to Sta. 0 + 125.75
0.+125.75			0.60	10	Completed with headwall
0 + 321			0.60	15	Completed with headwall
0 + 525	0.60	10	0.30	10	Completed with headwall
0 + 900	0.60	10			Completed with headwall
0 + 975			0.30	10	Completed with headwall
1 + 070	0.90	11	0.60	10	Completed with headwall
1 + 375	0.60	10	0.60	14	

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Cont.

3. FEEDER ROAD - MAYDASO-TARIRIK-MALITBOG-BARAS ROAD

STATION	As per Plan		Installed		REMARKS
	SIZE	L.M.	SIZE	L.M.	
1 + 125			0.30	10	Included in Change Order #2
1 + 375	0.60	10			Transferred to Sta. 1 + 295
1 + 295			0.60	14	Completed with headwall
1 + 573			0.60	10	Completed with headwall
1 + 625	0.60	11			Transferred to Sta. 1 + 600
1 + 600			0.60	11	Completed with headwall
1 + 736			0.30	10	
1 + 975	0.60	10			Completed with headwall
2 + 104			0.30	10	
2 + 376			0.30		
2 + 400	0.60	10			Transferred to Sta. 2 + 326
2 + 326			0.60	10	Completed with headwall
2 + 627			0.30	10	
2 + 850			0.60	10	
2 + 940			0.30	10	
3 + 000	0.60	10			Transferred to Sta. 3 + 090
3 + 090			0.60	10	
3 + 340			0.30	10	
3 + 450			0.30	10	
3 + 525			0.30	10	
3 + 800			0.60	9	Transferred to sta. 3 + 750
3 + 750	0.60	9			Completed with headwall
3 + 890			0.60	10	
4 + 113.80	0.60	3	0.60	7	Extend existing 1-0.60 x .00 M RCP by 3.00 M left 4 M right
4 + 679	2-1.20	11	2-1.20	11	completed with headwall
4 +769.45	0.30	11			Cancelled
4 +955.25	0.60	7	0.30	10	Extend existing 1-0.60M x 5.00M Replaced by 0.30 M Ø 12 CP
4 +993.60	0.45	12	0.60	12	Completed with headwall

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WEATHER REPORT
November 21 1982 to December 20 1982

PROJECT: PALESTINA-SAN ANTONIO-MINALABAC ROAD PROJECT
Sub-Project No. 6

Date	Weather	Remarks	Time Extension Recommended
Nov. 21	Fair to cloudy	Workable	None
22	Fair to cloudy	Workable	None
23	Fair to cloudy w/ occasional rain	Workable	None
24	Rainy AM cloudy PM	Unworkable	None
25	Rainy AM cloudy PM	Unworkable	None
26	Cloudy	Workable	None
27	Cloudy	Workable	None
28	Cloudy AM fair PM	Workable	None
29	Fair	Workable	None
30	Fair	Workable	None
Dec. 1	Cloudy	Workable	None
2	Fair to cloudy w/ rain	Workable	None
3	Cloudy w/ rain	Unworkable	None
4	Fair	Workable	None
5	Fair AM cloudy PM	Workable	None
6	Cloudy w/ scattered rain	Workable	None
7	Rainy (Typhoon Aning Signal # 2)	Unworkable	None
8	Rainy (Typhoon Didang Signal # 2)	Unworkable	None
9	Cloudy w/ light rain	Unworkable	None
10	Fair to cloudy	Workable	None
11	Fair to cloudy	Workable	None
12	Fair to cloudy	Workable	None
13	Fair to cloudy	Workable	None
14	Fair to cloudy	Workable	None
15	Fair to cloudy	Workable	None
16	Fair	Workable	None
17	Fair	Workable	None
18	Fair AM rainy PM	Workable	None
19	Cloudy	Workable	None
20	Rainy AM cloudy PM	Unworkable	None

TOTAL EXTENSION OF TIME RECOMMENDED THIS MONTH --- 3 days
TOTAL EXTENSION OF TIME RECOMMENDED PREVIOUSLY --192 days
GRAND TOTAL TO DATE - 195 days

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EMPLOYMENT GENERATION SURVEY

NAME OF CONTRACTOR: SOUTH MOTORISTS ENTERPRISE

FOR THE MONTH OF : DECEMBER, 1982

	ADMINISTRATIVE FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
MANILA - BASE 1 /	2	3	19	11
LOCAL HIRED 2 /	2	7	15	28
SUB - CONTRACTOR 3 /				
T O T A L	4	10	34	36

1/ Includes permanent employees

2/ Employees residing within the Basin Area

3/ Local hired only

SUBMITTED BY:

(ORIG. SIGNED)
EFREN P. MORANTE
Construction Manager

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SOUTH MOTORIST'S ENTERPRISE
Field Office
Maydaso, Milaor, Cam. Sur

LIST OF PERSONNEL

TECHNICAL STAFF

1. Efren P. Morante	-	Project Manager	-	Civil Engineer
2. Francis P. Eusebio	-	Equipment Supervisor	-	Mechanical Engineer
3. Vicente L. Perez	-	Project Engineer	-	Civil Engineer
4. Gerpe V. Garay	-	Asst. Eqpt. Supervisor	-	Mechanical Engineer
5. Juanito A. Porteria	-	Bridge Foreman	-	Experienced
6. Nardo Espeso	-	Roadway Foreman	-	Civil Engineer
7. Anacion Paterno	-	Roadway Foreman	-	Experienced
8. Silvestre Rojano Jr.	-	Matls. Lab. Tech.	-	Experienced
9. Jaime Posoc	-	Instrumentman	-	Experienced
10. Edwin TY. Tamayo	-	C. E. Aide	-	C. E. Graduate
11. Anastacio Dialino	-	C. E. Aide	-	C. E. Graduate

ADMINISTRATIVE STAFF

1. Antonio E. Vida	-	Personnel Officer	-	BSME Graduate
2. Fernando Sivestre	-	Field Acct'g. Officer	-	Experienced
3. Annie T. Bien	-	Clerk Typist	-	Experienced
4. Godofredo O. Albo	-	Timekeeper	-	Experienced
5. Cirilo A. Baduya	-	Checker	-	BSME Graduate
6. Pedro Ocampo Jr.	-	Checker	-	Experienced
7. Generoso Alarcon	-	Checker	-	Experienced
8. Leonard Decker	-	Warehouseman	-	Experienced
9. Vito Euste	-	Asst. Warehouseman	-	Experienced
10. Amancio Galona	-	Watchman	-	Experienced
11. Antonio Galona	-	Watchman	-	Experienced
12. Dominador Salvador	-	Purchaser	-	Experienced

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LABORATORY TEAM

1. Crisanto E. Bandola	-	Laboratory Aide	-	Experienced
2. Manuel A. Veneracion	-	Laboratory Aide	-	Experienced

SURVEY TEAM

1. Marcelito Verdadero	-	Survey Aide	-	Experienced
2. Rogelio Villamor	-	Survey Aide	-	Experienced
3. Hilarion Guinoo	-	Survey Aide	-	Experienced

CONSTRUCTION DIVISION
(BRIDGE TEAM)

1. Jose Banday	-	Carpenter	-	Experienced
2. Macario Gavino	-	Carpenter	-	Experienced
3. Salvador Calamba	-	Carpenter	-	Experienced
4. Balbino Cornelio	-	Carpenter	-	Experienced
5. Inocentes Galona	-	Carpenter	-	Experienced
6. Ramon Marco	-	Carpenter	-	Experienced
7. Ernesto Tosoc	-	Carpenter	-	Experienced
8. Efren San Joaquin	-	Carpenter	-	Experienced
9. Roque Tosoc	-	Carpenter	-	Experienced
10. Arnulfo Porteria	-	Rigger/Steelman	-	Experienced
11. Danilo Porteria	-	Rigger/Steelman	-	Experienced
12. Ronaldo Porteria	-	Rigger/Steelman	-	Experienced
13. Efren Andaluz	-	Br. Helper	-	Experienced
14. Santiago Agares	-	Br. Helper	-	Experienced
15. Jose Brequillo	-	Br. Helper	-	Experienced
16. Felipe Cea	-	Br. Helper	-	Experienced
17. Roberto Guinoo	-	Br. Helper	-	Experienced
18. Igmedio Olarte	-	Br. Helper	-	Experienced

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MECHANICAL DEPARTMENT

1. Bienvinido Bien	-	Chief Mechanic	-	Experienced
2. Danilo Decker	-	Mechanic	-	Experienced
3. Romeo Favabier	-	Mechanic	-	Experienced
4. Elmer Bacerdo	-	Mechanic	-	Experienced
5. Alejandro Veluz	-	Helper Mechanic	-	Experienced
6. Vicente Flores	-	Electrician	-	Experienced
7. Rafael Togno	-	Batteryman	-	Experienced

EQUIPMENT SERVICE

1. Alberto Narral	-	Payloader Operator	-	Experienced
2. Ruben Escoto	-	Payloader Operator	-	Experienced
3. Jaime Ombao	-	Road Grader Optr.	-	Experienced
4. Wilfredo Dangalan	-	Road Grader Optr.	-	Experienced
5. Beato Dangalan	-	Road Roller Optr.	-	Experienced
6. Enrique Bravante	-	Bulldozer Operator	-	Experienced
7. Ricardo Capariño	-	Bulldozer Operator	-	Experienced
8. Nestor Fernandez	-	Bulldozer Operator	-	Experienced

DRIVERS/HELPER

1. Custodio Tantoyco	-	Service Driver	-	Experienced
2. Danilo Cortez	-	Water Truck Driver	-	Experienced
3. Gludo Fernando		Water Truck Driver		Experienced
4. Guillermo Retumban	-	Dump Truck Driver	-	Experienced
5. Leovigildo Canrillano	-	Dump Truck Driver	-	Experienced
6. Romulo Austria	-	Dump Truck Driver	-	Experienced
7. Felimon Atienza	-	Dump Truck Driver	-	Experienced
8. Eduardo Diccampo	-	Dump Truck Driver	-	Experience

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9.	David Sola	-	Cargo Truck Driver	-	Experienced
10.	Renato Belayre	-	Cargo Truck Driver	-	Experienced
11.	Faustino Maleon	-	Cargo Truck Driver	-	Experienced
12.	Rodolfo Aliado	-	Truck Helper	-	Experienced
13.	Arnel Balidoy	-	Truck Helper	-	Experienced
14.	Benjamin Bautista	-	Truck Helper	-	Experienced
15.	Eltiqui Butardo	-	Truck Helper	-	Experienced
16.	Antonio Cabigas	-	Truck Helper	-	Experienced
17.	Jose Cemiñe	-	Truck Helper	-	Experienced
18.	Jessie Ermiña	-	Truck Helper	-	Experienced
19.	Fernando Penis	-	Truck Helper	-	Experienced
20.	Jose Primavera	-	Truck Helper	-	Experienced
21.	Roberto Kamidez	-	Truck Helper	-	Experienced
22.	Jaime Santiago	-	Truck Helper	-	Experienced
23.	Romeo Tinoy	-	Truck Helper	-	Experienced
24.	Rogelio Solomon	-	Truck Helper	-	Experienced
25.	Danilo Mariano	-	Quarry Watchman	-	Experienced
26.	Luis Bernas	-	Quarry Watchman	-	Experienced
27.	Norberto Besinic	-	Quarry Watchman	-	Experienced

SUBMITTED BY

(ORIG. SIGNED) EFREN P. MORANTE
Project Manager

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19.	Ubaldo Osoc	-	Br. Helper	- Experienced
20.	Solomon Tomoc	-	Br. Helper	- Experienced

WATCHMAN

1.	Donato Galona	-	Watchman	- Experienced
2.	Mariano [illegible]	-	Watchman	- Experienced
3.	Lope [illegible]inoo	-	Watchman	- Experienced
4.	Rogelio Glacer	-	Watchman	- Experienced
5.	Pablo Olarte	-	Watchman	- Experienced

ROADWAY TEAM

1.	Eduardo Brequillo	-	Roadway Helper	- Experienced
2.	Ernesto Brequillo	-	Roadway Helper	- Experienced
3.	Romeo Calpo	-	Roadway Helper	- Experienced
4.	Eddie Del Castillo	-	Roadway Helper	- Experienced
5.	Domingo Cis	-	Roadway Helper	- Experienced
6.	Elias Clarianes	-	Roadway Helper	- Experienced
7.	Luis Clarianes	-	Roadway Helper	- Experienced
8.	Pastor Clarianes	-	Roadway Helper	- Experienced
9.	Salvador Clarianes	-	Roadway Helper	- Experienced
10.	Jesus Meletante	-	Roadway Helper	- Experienced
11.	Elias Pacua	-	Roadway Helper	- Experienced
12.	Roger Paulo	-	Roadway Helper	- Experienced
13.	Dominador Puyo	-	Roadway Helper	- Experienced
14.	Domingo Ricafort	-	Roadway Helper	- Experienced

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SOUTH MOTORIST ENTERPRISE
Maydaso, Milaor, Camarines Sur

LIST OF EQUIPMENTS

1 - 25 Tons Truck Mounted Crane
1 - D - 80 Komatzu Dozer
1 - D - 7 Cat Dozer
1 - D - 6 Cat Dozer
3 - Graver
2 - Payloader
2 - Road Roller (3 wheeler)
1 - Pneumatic Roller
5 - Stake Trucks
14 - Dump Trucks
1 - Pick - up
2 - Service Jeep
1 - Jeep Trailer
2 - One bagger mixer
1 - Portable vibrator
1 - Portable compactor

SUBMITTED BY:

(ORIG. SIGNED)
EFREN P. MORANTE
Project Manager

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Start of Original Contract -
Contract Time for Original C
Date Terminated - April 9, 1
Effectivity of New Contract -
Contract Time of New Contrac
Original Contract Expiry Date
Contract Time Including Exten
Expiry Date of Contract - Jul

ITEM	DESCRIPTION	ESTIMATED % WEI	
		SCHEDULED	ACCOMPLISH PROJECT
1.60.1	PROVIDE & MAINTAIN OFFICE & LABORATORY FOR THE ENGINEER	0.60060	0.60060
100	CLEARING & GRUBBING	0.19746	0.19746
105 SR	ROADWAY & DRAINAGE EXCAVATION	0.09901	0.09901
105 FR	ROADWAY & DRAINAGE EXCAVATION	0.34101	0.34101
105-4	EXCAVATION OF UNSUITABLE MATERIALS	1.64953	1.64953
106	EXCAVATION FOR STRUCTURES	1.19962	1.18850
107	BORROW	36.44078	35.74803
108	AGGREGATE SUBBASE	15.04542	14.85632
103-1	REMOVAL OF BRIDGE	0.00951	0.00951
110	FOUNDATION FILL	0.08997	0.08611
200	AGGREGATE BASE COURSE	16.20604	9.23164
302	MEDIUM CURING CUT-BACK ASPHALT (GRADE MC-1) FOR BST	1.77496	0.71801
314-1	AGGREGATE MATERIALS FOR BST (HOT ASPHALT TYPE)	1.00981	0.40875
314-3	85-100 PENETRATION ASPHALT CEMENT FOR BST	2.81475	1.13913
401	TIMBER (DETOUR) TRESTLE (SUPERSTRUCTURE ONLY ON CONC. PILE BENT	3.74046	2.40458
402-25	PRE-CAST CONCRETE PILES	7.58367	6.03828
402-25a	CONCRETE TEST PILES (FURNISH & DRIVE) (SR)	0.32408	0.32408
402-25a	CONCRETE TEST PILES (FURNISH & DRIVE) (FR)	0.77137	0.46282
403	CONCRETE RAILINGS	0.12226	0.12226
405	CONCRETE CLASS "A" (MISCELLANEOUS)	1.17398	1.05542
405-1	CONCRETE CLASS "A" (BRIDGE)	2.75599	2.55141
406	REINFORCING STEEL BARS	1.68926	1.56536
413	0.30M. dia.x1.00 REINFORCED CONC. PIPES	0.27221	0.27221
413-1	0.46M.dia. x 1.00 REINFORCED CONC. PIPES	0.12420	0.12420
413-2	0.60M.dia. x 1.00 REINFORCED CONC. PIPES	1.39124	1.28742
413-3	0.90M. dia. x 1.00 REINFORCED CONC. PIPES	0.38814	0.38814
413-4	1.20M. dia. x 1.00 REINFORCED CONC. PIPES	0.25189	0.25189
500	RIP-RAP and GROUTED	1.51099	1.51099
501	HAND LAID ROCK EMBANKMENT	0.26053	0.26053
510	RIGHT-OF-WAY MARKERS	0.17116	0.17116
	TOTAL	100.00000	85.05436% as of

ACTUAL WORK ACCOMPLISHED = 85.05430%

SCHEDULED ACCOMPLISHMENT = 82.07

SLIPPAGE = 2.98436% (+)

TIME ELAPSED = 65.68%

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REVISED BAR SCH

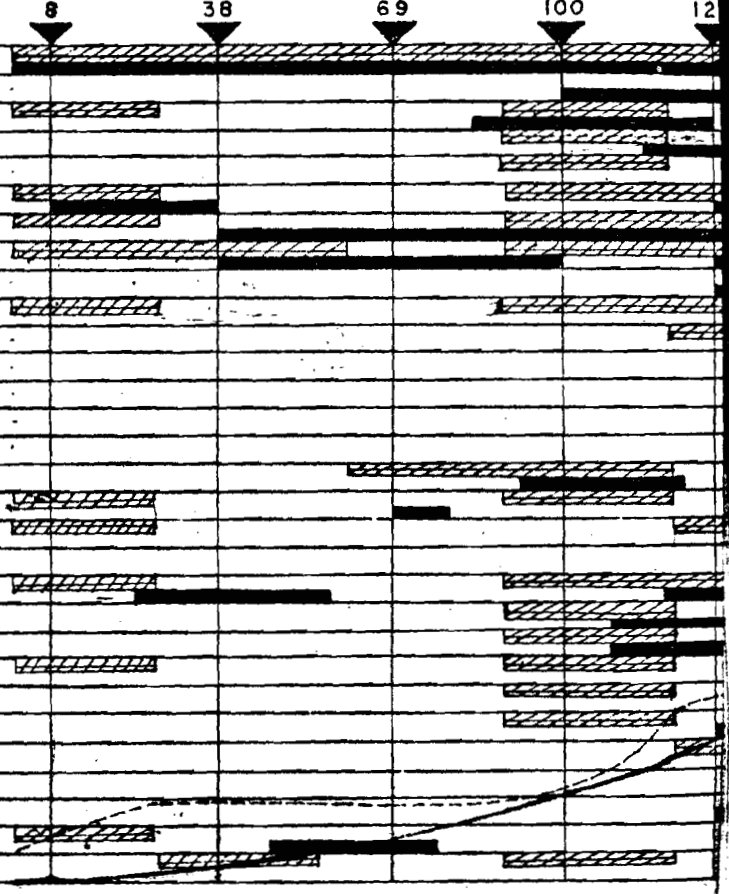
PALISTINA-SAN ANTON

(2nd REV

. November 12, 1979
Contract - 510 Calendar Days
1981
- October 31, 1981
ot - 42% days
ate - December 17, 1982
ensions - 644 Calendar Days
ly 23, 1983

START OF CONTRACT TIME
OCTOBER 24, 1982

EIGHT / ISHED ITEM	QUANTITY	UNIT COST	AMOUNT
100.00	14.00 MO.	₱ 4,421.00	₱ 61,897.92
100.00	5.60 HA.	3,450.00	19,320.00
100.00	868.41 Cu.M	11.75	10,203.82
100.00	1,900.00 CuM	18.50	35,150.00
100.00	5,000.00 CuM	34.00	170,000.00
99.07	2,424.16 CuM	51.00	123,632.16
93.10	62,540.65 CuM	60.05	3,755,566.03
58.74	24,190.27 CuM	64.099	1,550,572.12
100.00	1.00 Ea.	980.00	980.00
95.71	74.18 CuM	125.00	9,272.50
56.96	12,102.79 CuM	138.00	1,670,185.02
40.45	42.00 MT.	4,355.40	182,926.00
40.48	575.00 CuM	181.00	104,075.00
40.47	83.00 M.T.	3,495.00	290,085.00
64.28	14.00 Span	27,535.00	385,490.00
70.62	741.00 L.M.	1,054.75	781,569.00
100.00	2.00 Ea.	16,700.00	33,400.00
60.00	5.00 Ea.	15,899.43	79,497.16
100.00	60.00 LM	210.00	12,600.00
89.20	111.00 CuM	1,090.00	120,990.00
92.58	188.60 CuM	1,506.00	284,031.00
92.66	18,501.00 KG	9.41	174,094.41
100.00	121.00 LM	231.85	28,053.85
100.00	32.00 LM	400.00	12,800.00
92.50	268.00 LM	535.00	143,380.00
100.00	50.00 LM	800.00	40,000.00
100.00	22.00 LM	1,180.00	25,960.00
100.00	454.00 LM	343.00	155,722.00
100.00	150.00 CuM	179.00	26,850.00
100.00	294.00 Ea	60.00	17,640.00
f Dec. 20, 1982			₱10,305,949.23



MONTHLY EXPENSES	1179.01	29,736.90	435,278.67	518,590.86	515,172.09
CUMULATIVE AMT.		30,915.91	466,194.58	984,785.44	1,499,957.50

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NOTE:
This includes change order Nos. 1, 2, and Supplemental Agreement No. 1.

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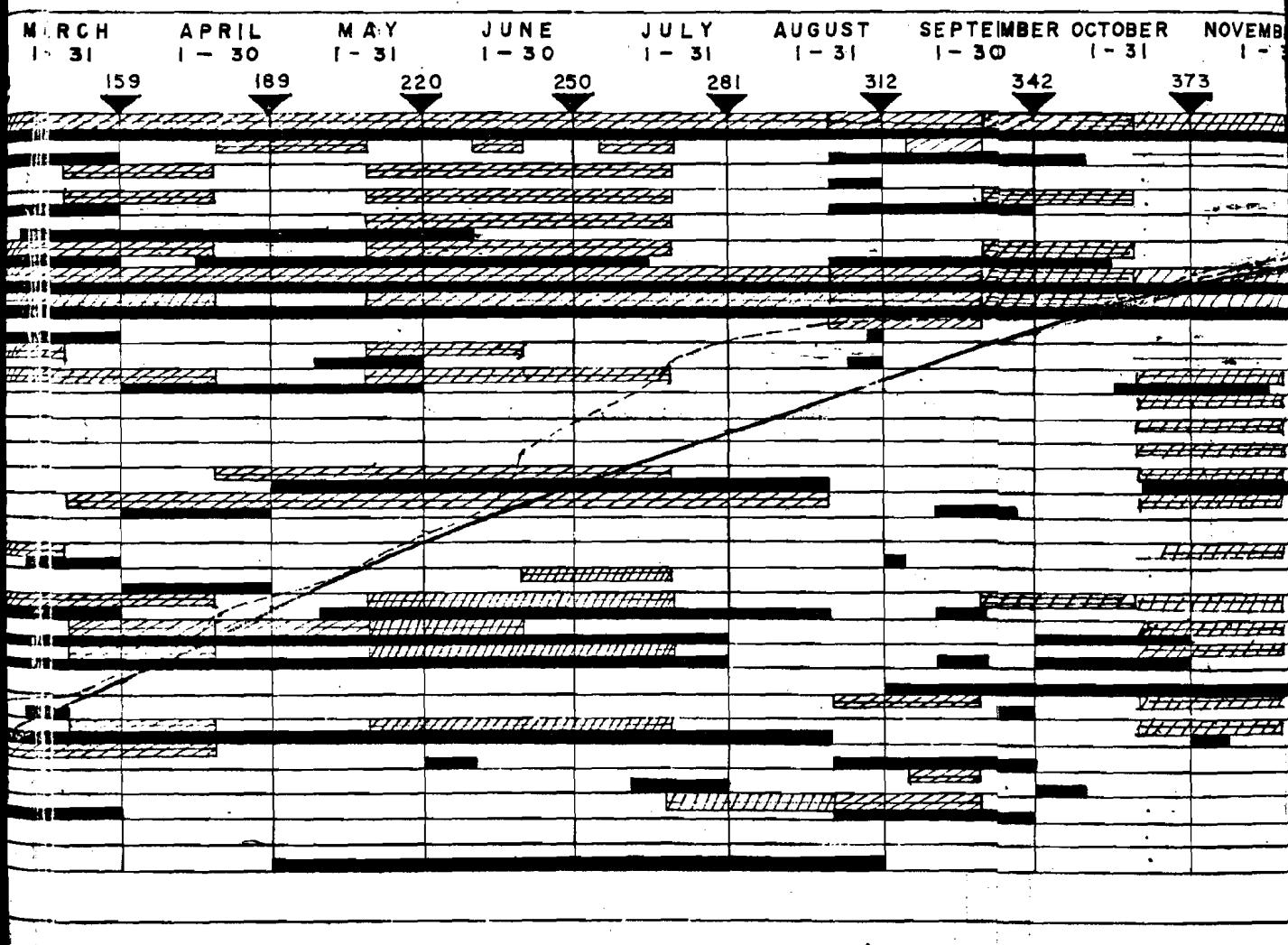
EDULE OF WORK

-MINALABAC ROAD

ON)



705,796.91	1,124,572.40	969,138.83	598,076.01	599,249.65	525,985.54	690,569.89	656,757.10	631,019.
205,754.40	3,330,326.80	4,299,465.60	4,897,541.60	5,496,791.30	6,022,776.80	6,713,346.60	7,370,103.70	8,001,123.

4 3 5

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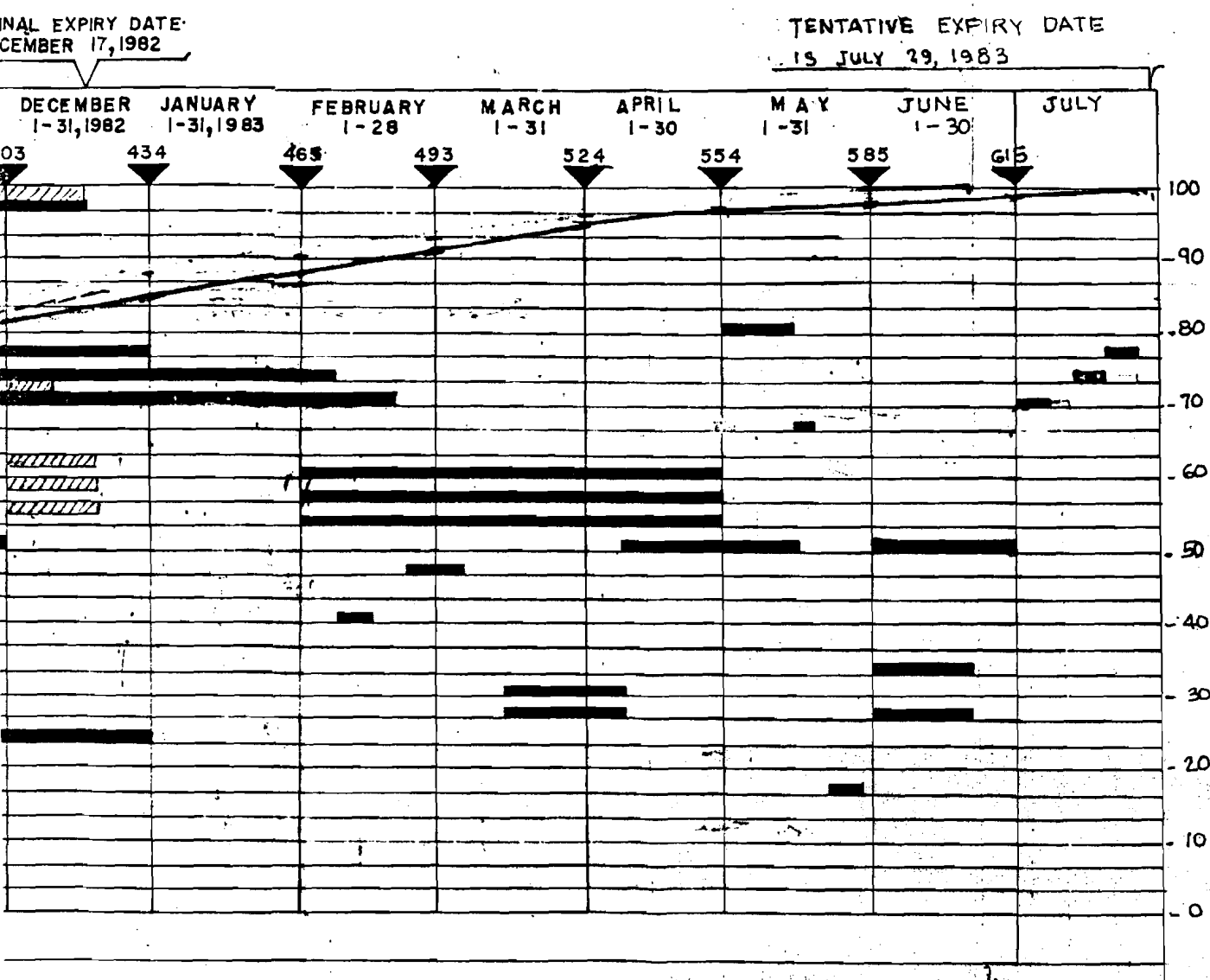

709,015.86	321200.09	454,033.93	371,765.02	343,398.48	68,040.14	31,217.56	6,094.95
8,710,199.06	9,031,399.15	9,485,433.08	9,857,198.10	10,200,596.58	10,268,636.72	10,299,854.28	10,305,949.23

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BICOL RIVER BASIN DEVE
MANPOWER SCHEDULE O
PACKAGE II

NAME	POSITION	1979 2
AMADO E. BANDELARIA	DEPUTY PROJ. MANAGER	
D. V. FILIO	SR. HIGHWAY ENGINEER/R.E.	
F. G. OBUSAN	SR. BRIDGE ENGINEER	
M. D. LACSAMANA	SR. LOCATION ENGINEER	
J. A. TORRALBA	SR. MATLS. ENGINEER	
F. C. ROSALES	ADMINISTRATIVE OFFICER	
V. C. CLARIDAD	CLERK/TYPIST	
T. S. SABABAN	JANITOR/MESSENGER	

SUB-PROJECT NO. 6 PALESTI

VICENTE B. ZANO	RESIDENT ENGINEER	
ARTURO E BANDELARIA	ENGR. INSP. HWY.	
AURORA E. BANDELARIA	ENGR. INSP. BRIDGE	
J. J. TAMONDONG	MATERIALS ENGINEER	
A. M. MADLA	SURVEYOR/DRAFTSMAN	
C. A. ABAD	LABORATORY TECHNICIAN	
J. S. AMADO	CLERK/TYPIST	
F. F. SOBREVILLA	JANITOR/MESSENGER	
P. F. SABABAN	LABORER	

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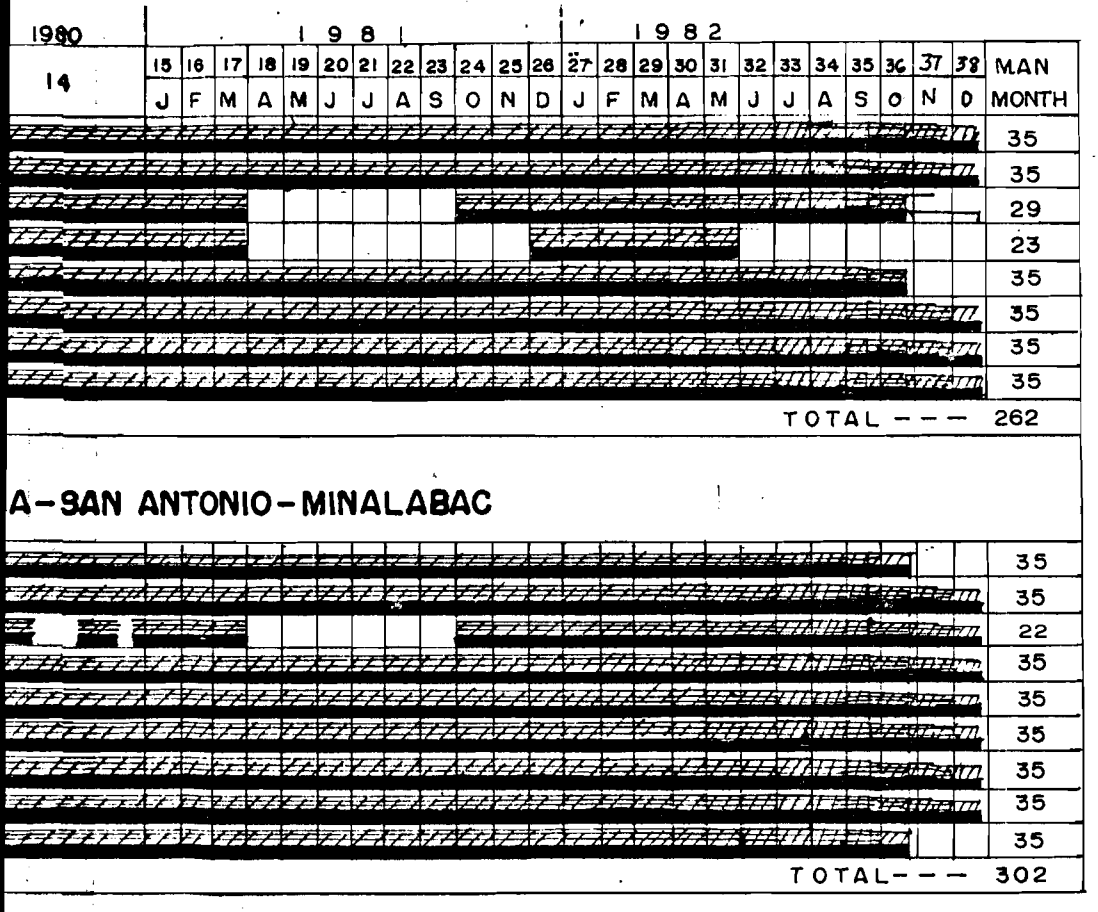
LOPMENT PROJECTS - ROAD COMPONENT
CONSULTANTS STAFF FOR CONSTRUCTION SUPERVISION



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

EMPLOYMENT GENERATION SURVEY (SS3)

NAME OF CONSULTANT INTEGRATED PHILCONSULT, INC.

FOR THE MONTH OF [redacted]

	Administrative Finance	Engineering Technical	Skilled	Unskilled
Manila Based 1/		2		
Local Hired 2/	2	7		1
Sub-Contractors 3/			1	1
Total	2	9	1	2

1/ Includes permanent employees

2/ Employees residing within the basin area

3/ Local Hired Only

Submitted by:

AMADO E. BANDELARIA
Deputy Project Manager

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December 20, 1982

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

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

ANADI N. [illegible]DARIA
Deputy Project Manager

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