4920281/53

PD-AAL-772

REPUBLIC OF THE PHILIPPINES

MINISTRY OF PUBLIC WORKS AND HIGHWAYS

Bicol River Basin Development Project

Road Component

Package 4

CERTEZA DEVELOPMENT CORP.
CERTEZA BUILDING
Santolan Rd. corner Jose Abad Santos Drive
San Juan, Metro Manila
Tel. Nos. 77-35-72/79-83-22
Cable Address: CERDECO
P.O. BOX 91, Q.C.

RECEIVED
AUG 19 1982
OLIBO
SAGA

PROGRESS REPORT
CONSTRUCTION OF PACKAGE IV
JULY 1982

PACKAGE IV
CONSTRUCTION REPORT
JULY 1982

TABLE OF CONTENTS

Figure I - - - - - - - - - - - Location Map

PAGE

COMPLETED PROJECTS, PACKAGE IV - - - - - - - - - - - CPP-1 to CPP-2

CONTRACT III, LIBON-NUGPO SECTION, SUB-PROJECT NO. 11
Contractor : V.P. EUSEBIO CONSTRUCTION, INC.

Progress Report - - - - - - - - - - - - - - - - - - III-1 to III-5
Weather & Workability Report (2 sheets) - - - Annex III-A
Contractor's List of Personnel (3 sheets) - - Annex III-B
Employment Generation Survey (SSS) - - - - - - Annex III-B-1
Contractor's List of Equipment (1 sheet) - - Annex III-C
Program of Work and Progress Chart - - - - - - Annex III-D

CONTRACT IV, SAN JUAN-NUGPO SECTION, SUB-PROJECT NO. 11
Contractor: 51ST ENGINEER BRIGADE, P.A.

Progress Report - - - - - - - - - - - - - - - - - IV-1 to IV-4
Weather & Workability Report (2 sheets) - - - Annex IV-A
Contractor's List of Equipment (3 sheets) - - Annex IV-B
Program of Work and Progress Chart - - - - - - Annex IV-C

CONTRACT V-A, POLANGUI-NASISI SECTION, SUB-PROJECT NO. 14
Contractor : WILLIAM UY CONSTRUCTION, INC.

Progress Report - - - - - - - - - - - - - - - - - V-A-1 to V-A-7
Weather & Workability Report (2 sheets) - - - Annex V-A-A
Contractor's List of Personnel (3 sheets) - - Annex V-A-B
Eployment Generation Survey (SSS) - - - - - - - Annex V-A-B-1
Contractor's List of Equipment - - - - - - - - Annex V-A-C
Program of Work and Progress Chart - - - - - - Annex V-A-D

CONTRACT VI-A&B, NABUA-SAN AGUSTIN SECTION, SUB-PROJECT 9

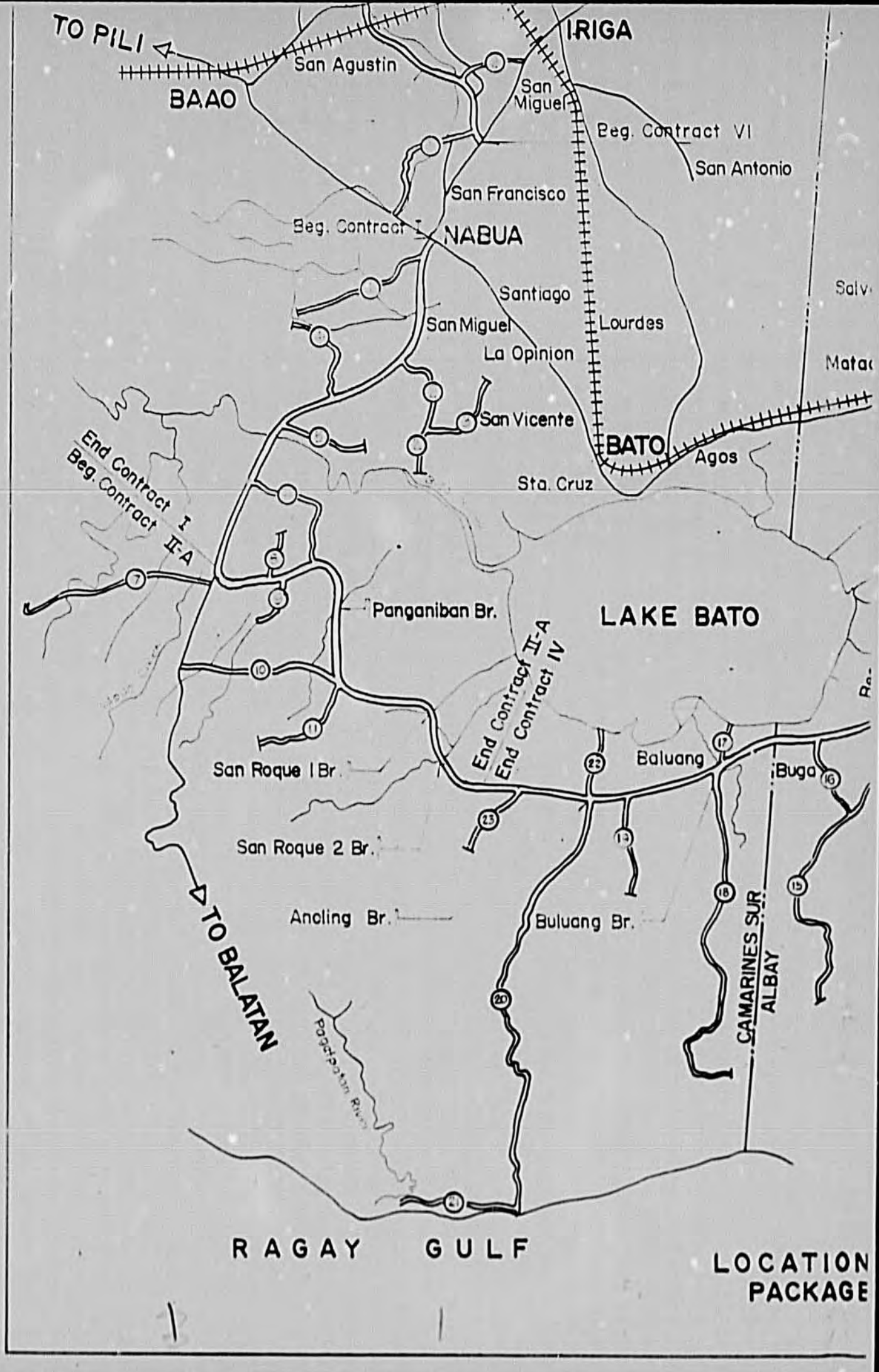
Contractor : PROVINCIAL ENGINEER'S OFFICE, CAM. SUR

Progress Report 0 - - - - - - - - - - - - - - - -	VI-A&B-1 to VI-A&B-3
Weather & Workability Report (2 sheets) - - - -	Annex VI-A&B-A
Program of Work and Progress Chart - - - - - - -	Annex VI-A&B-B

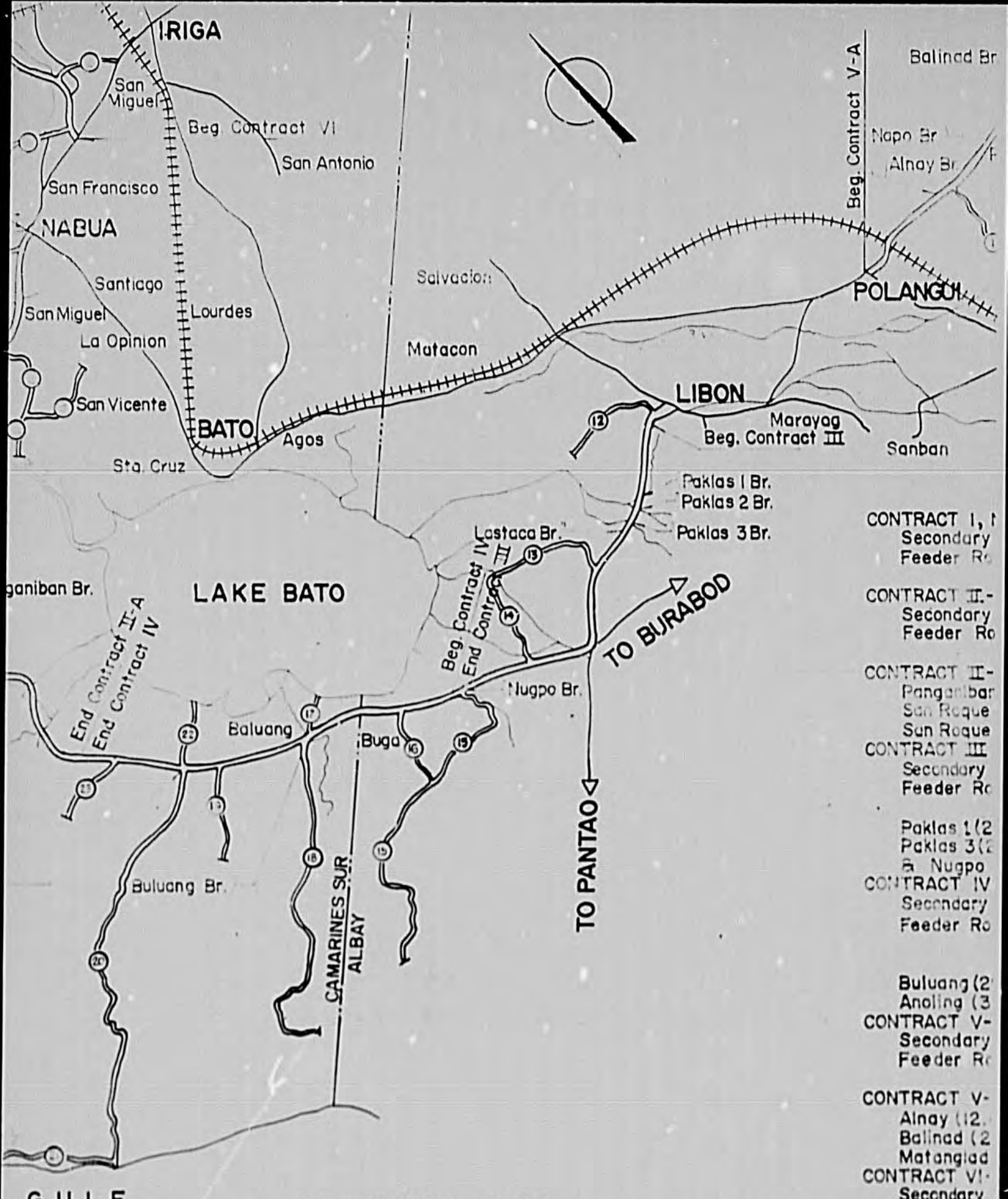
APPENDIX :

Appendix A : List of Consultant's Field Personnel - 2 sheets

B : Employment Generation Survey (SS3)

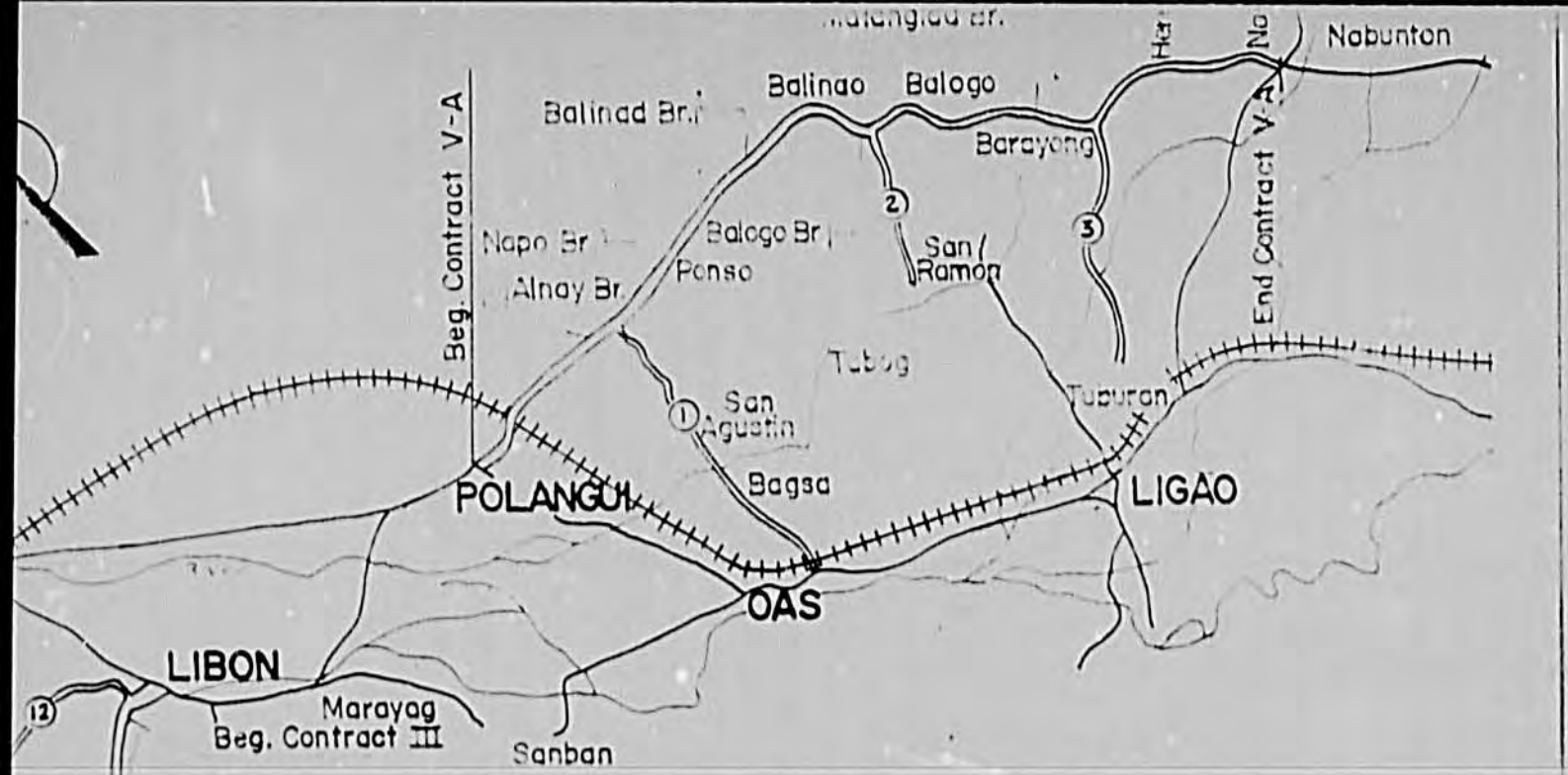


LOCATION
PACKAGE



LOCATION MAP
PACKAGE - IV

2



PACKAGE IV

CONTRACT I, NABUA-TANDAAY SECTION, SUBPROJECT I

Secondary Road	8.78 km.
Feeder Roads 1,2,3,4,5 & 6	14.96 km.
TOTAL	23.74 km.

CONTRACT II-A TANDAAY-SAN JUAN (BATO) SECTION SUBPROJECT II

Secondary Road	9.42 km.
Feeder Roads 7 8 9 10 & 11	12.14 km.
TOTAL	21.56 km.

CONTRACT II-B BRIDGES (TANDAAY-SAN JUAN SECTION) SUBPROJECT II

Panganiban (27.20 m.),	
San Roque 1 (24.40 m.) &	
San Roque 2 (24.40 m.) Bridges	76.00 m.

CONTRACT III, LIBON-NUGPO SECTION, SUBPROJECT II

Secondary Road	8.25 km.
Feeder Roads 12,13,14 & 15	15.38 km.
TOTAL	23.63 km.
Paklas 1 (29.20 m.), Paklas 2 (29.20 m.),	
Paklas 3 (29.20 m.) Lastrad (25.20 m.),	
& Nugpo (29.20 m) Bridges	142.00 m.

CONTRACT IV, NUGPO-SAN JUAN SECTION, SUBPROJECT II

Secondary Road	8.33 km.
Feeder Roads 16,17,18,19,20, 21,22,23	29.71 km.
TOTAL	38.04 km.
Buluang (29.20 m.) &	
Anoling (31.20 m.)	60.40 m.

CONTRACT V-A, POLANGUI-NASISI SECTION, SUBPROJECT 14

Secondary Road	12.86 km.
Feeder Roads 1,2 & 3	9.39 km.
TOTAL	22.25 km.

CONTRACT V-B, BRIDGES (POLANGUI-NASISI SECTION) SUBPROJECT 14

Alnay (12.40 m.) Napo (10.40 m.)	
Balinad (22.40 m.) Balogo (29.20 m.)	
Matangiad (24.40 m.) Bridges	98.80 m.

CONTRACT VI-A NABUA-SAN AGUSTIN SECTION SUBPROJECT 9

Secondary Road (Sta. 0+000 - 2+000)	2.00 km.

CONTRACT VI-B, NABUA-SAN AGUSTIN SECTION SUBPROJECT 9

Secondary Road (Sta. 2+000 - 4+495.00)	2.50 m.

CONTRACT VI-C, NABUA-SAN AGUSTIN SECTION SUBPROJECT 9

Feeder Roads 1 & 2	4.14 km.
TOTAL	8.64 km.

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS & HIGHWAYS
M A N I L A

MONTHLY CONSTRUCTION REPORT

COMPLETED PROJECTS, PACKAGE II

AS OF JULY 20, 1982

CONTRACT I - LAPUA-TANDAAY
SECONDARY & FEEDER ROADS

CONTRACT II-A - TANDAAY-SAN JUAN
SECONDARY & FEEDER ROADS

CONTRACT II-B - BRIDGES
TANDAAY-SAN JUAN

CONTRACT V-B - BRIDGES
POLA-CUI-BASISI SECTION

CONTRACT VI-C - NABUN-SAN AGUSTIN SECTION
FEEDER ROADS

July 1982

COMPLETED PROJECTS, PACKAGE IV

AS OF JULY 1982

CONTRACT I, NABUA-TANDAAY, SECONDARY & FEEDER ROADS

Contractor - - - - - - - - - - -	S.P. Dacer Constr. Co., Inc.
Substantially Completed - - -	February 24, 1981
Final Inspection - - - - - - - -	July 21, 1981
Original Contract Cost - - - -	₱ 16,705,106.00
Final Contract Cost - - - - -	₱ 15,155,660.94

CONTRACT II-A, TANDAAY-SAN JUAN, SECONDARY & FEEDER ROADS

Contractor - - - - - - - - - - -	F.F. Cruz & Co., Inc.
Completed - - - - - - - - - - -	July 9, 1980
Original Contract Cost - - - -	₱ 17,278,344.00
Final Contract Cost - - - - -	₱ 14,404,312.42
Turned Over - - - - - - - - - -	July 9, 1980

CONTRACT II-B, BRIDGES, TANDAAY-SAN JUAN

Contractor - - - - - - - - - - -	F.F. Cruz & Co., Inc.
Completed - - - - - - - - - - -	May 30, 1980
Original Contract Cost - - - -	₱ 1,487,440.00
Final Contract Cost - - - - -	₱ 1,487,440.00
Turned Over - - - - - - - - - -	July 9, 1980

CONTRACT V-B, BRIDGES, POLANGUI-NABISI SECTION

Contractor (4 contracts) - - -	Four Local Contractors
Completed - - - - - - - - - - -	March 4, 1981
Original Contract Cost - - - -	₱ 1,428,680.00
Final Contract Cost - - - - -	₱ 2,051,542.73 *
Final Inspection - - - - - - -	March 26, 1981

* Total of payments under the old and new contracts.

July 1982

CONTRACT VI-C, NAGUA-SAN AGUSTIN, FEEDER ROADS

Contractor - - - - - - - - - - J.H. Hernandez & Sons, Inc.
Completed - - - - - - - - - - May 25, 1980
Original Contract Cost - - - - ₱ 1,978,640.00
Final Contract Cost - - - - - ₱ 1,929,636.51
Turned Over - - - - - - - - - December 12, 1980

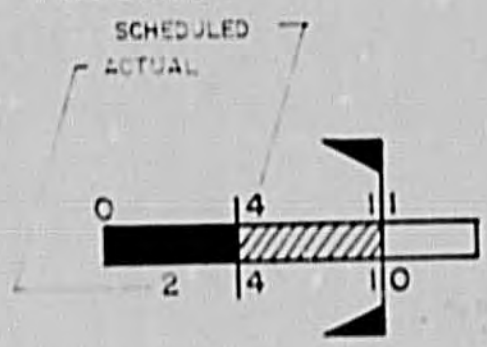
Certified correct.

JOSE E. VILLANUEVA
Project Manager

CONTRACTOR:	V. P. EUSEBIO CONST. CORP.
BIDDING DATE:	MAY 7, 1981
OFFICIAL STARTING DATE:	NOVEMBER 6, 1981
ORIGINAL COMPLETION DATE:	SEPTEMBER 2, 1982
APPROVED REVISED COMPLETION DATE:	
PROBABLE COMPLETION DATE:	

	ITEM	% CONTRACT VALUE	% ITEM COMPLETE	% PROJECT COMPLETE	
1	EARTHWORK	4.54	97.42	4.54	0
2	BASE COARSE	7.74	100	7.74	
3	SURFACE COARSE & PAVEMENT	84.65	92.09	77.95	
4	STRUCTURES	1.18	78.86	0.93	0
5	INCIDENTAL CONSTRUCTION	1.89	100	1.89	
	TOTAL	100	93.05		

PROGRESS



ACTUAL	93.05
SCHEDULED	92.08

COMPLETION

LEGEND — SCHEDULED; - - - ACTUAL

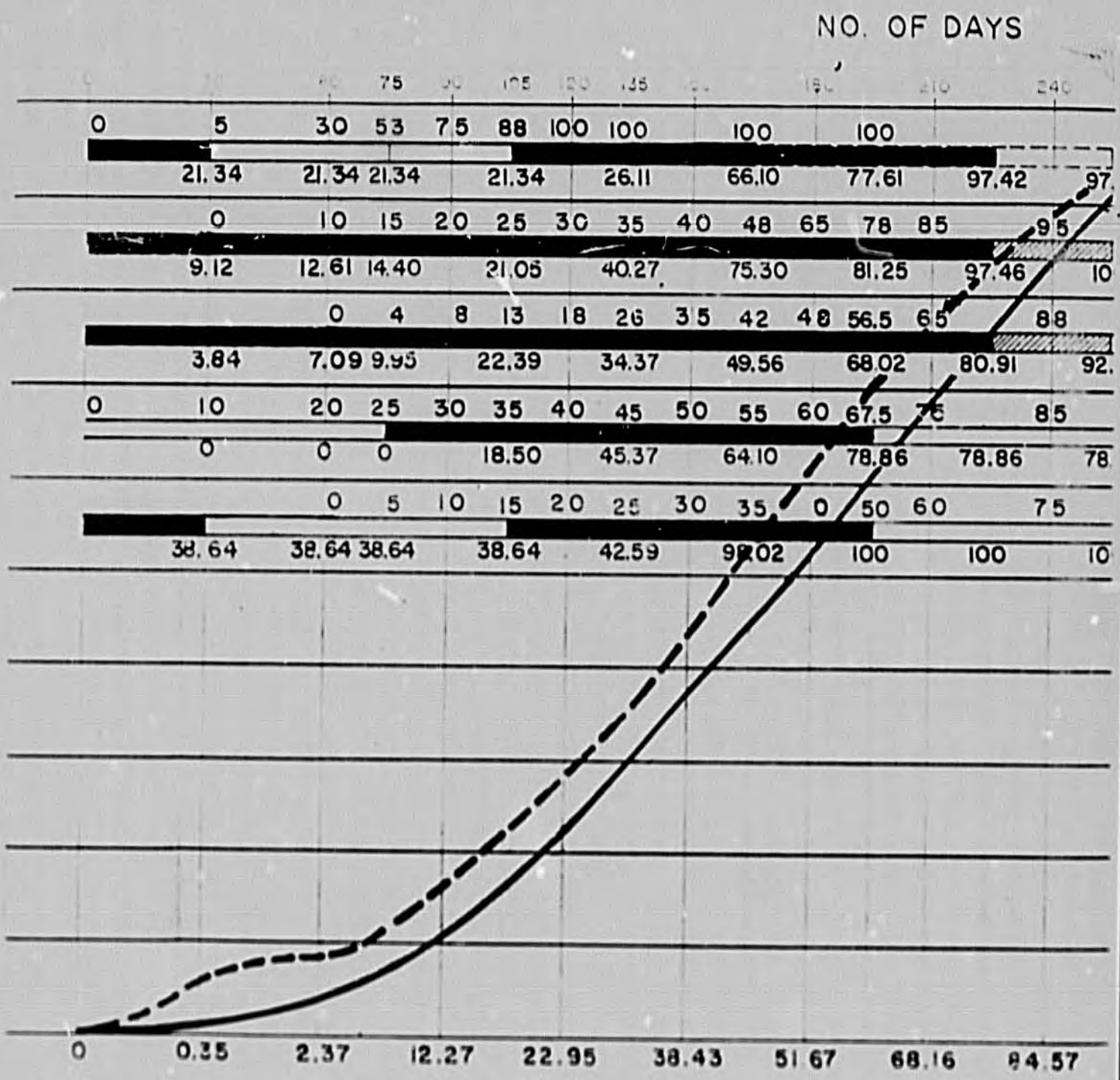
7

BICOL SECONDARY AND FEEDER ROADS PROJECT
BICOL RIVER BASIN DEVELOPMENT PROGRAM

PACKAGE- 4

SUB-PROJECT NO. II, CONTRACT III, LIBON - NUGPO SECTION

PROGRAM OF WORK AND PROGRESS CHART



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MONTHLY PROGRESS REPORT AS OF: JULY 20, 1982

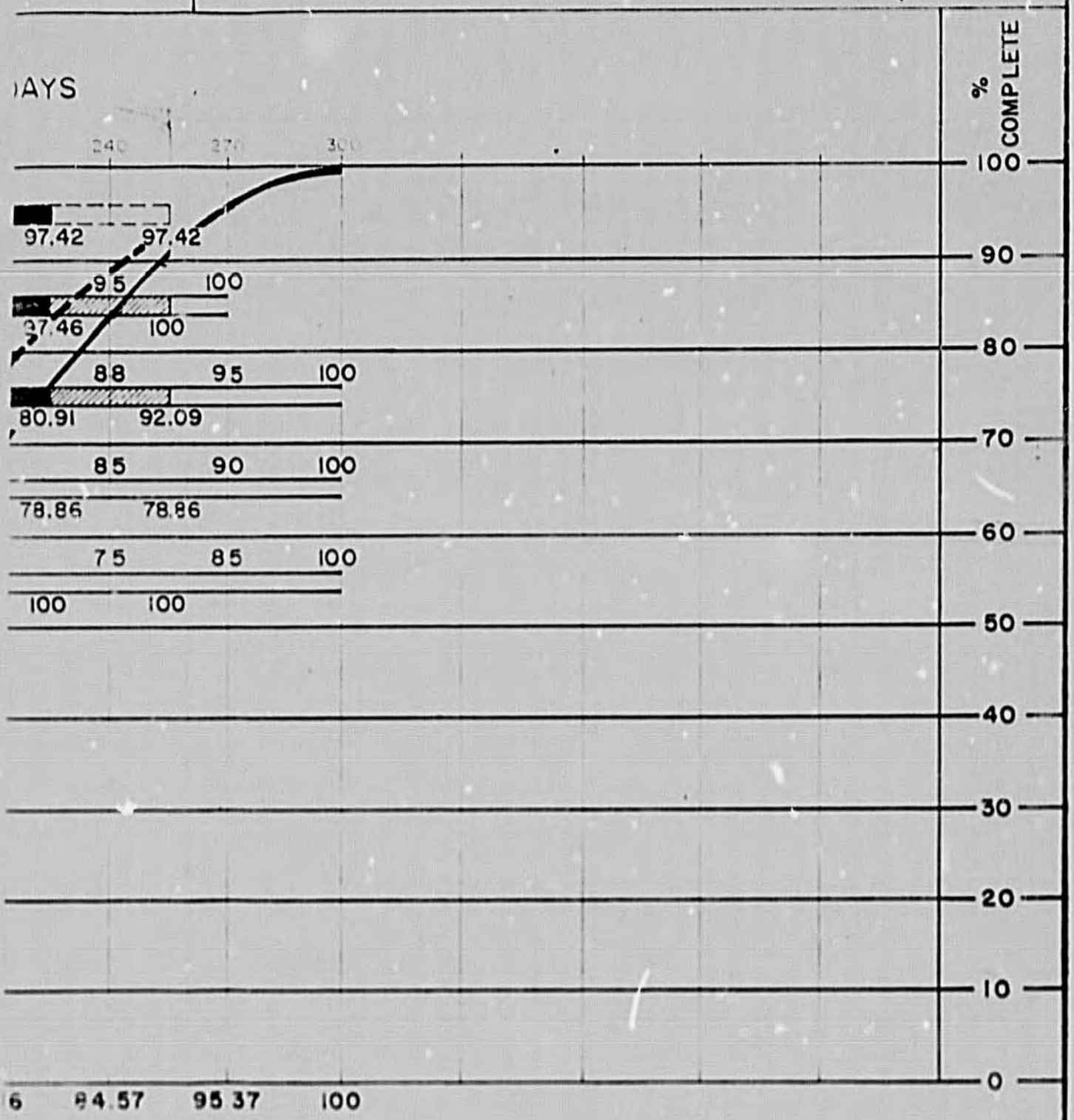
PREPARED BY: G. G. CRUZ
RESIDENT ENGINEER

CONCURRED BY: A. C. VILLAVIEJA

NET CONTRACT BID AMOUNT ₱ 9,186,840.00

APPROVED REVISED CONTRACT AMOUNT

CURRENT ESTIMATED FINAL COST



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REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS & HIGHWAYS
M A N I L A

MONTHLY CONSTRUCTION REPORT

No. 9

July 1982

Sub-Project 11

Contract No. III

LIBON-NUGPO SECTION
Secondary Roads

DEL ROSARIO-INDUTAN NO. 12
SULUSAN-LAKE DATO NO. 13
NUGPO-BARIO-MOLOSBOLOS NO. 15

CENTEZA DEVELOPMENT CORPORATION
(Consultant)

V.P. EUSEBIO CONSTRUCTION, INC.
(Contractor)

July 1982

PROGRESS REPORT NO. 9
July 1982

PROJECT : LIBON-NUGPO, SECONDARY AND FEEDER ROADS
CONTRACT NO. III, SUB-PROJECT NO. 11

I-a. GENERAL

This report covers the activities and accomplishment for the completion of Libon-Nugpo, Secondary and Feeder Road Nos. 12, 13 and 15 covering the period from June 21 to July 20, 1982. The contractor's activities consisted of the spreading and compaction of Common Borrow and Aggregate Base materials, pouring of PCCP and the construction of embankment slope protection.

b. PROGRESS

1. Secondary Road

Along the Secondary Road, the contractor's activities within the coverage period included the preparation of base, setting of steel forms, pouring of Portland Cement Concrete Pavement hauling of Item 108 for shouldering and construction of roadway wheel guard (Item 500):

Km. 7+324 - 7+776 R.S.	- - -	452.00 L.M.
7+902 - 8+250 R.S.	- - -	348.00 L.M.
6+246 - 6+260 R.S.	- - -	14.00 L.M.
5+120 - 5+143 L.S.	- - -	23.00 L.M.
5+337.80 - 5+890 L.S.	- - -	552.20 L.M.
5+921 - 6+266 L.S.	- - -	345.00 L.M.
San Juan-Pantao Section		
km. 5+097.13 - 5+123.66	- - -	26.53 L.M.
		1,760.73 L.M. (Half Width)

As of reporting period, the total length of PCCP completed is 13,956.00 L.M. of half width or 6.978 kms. of full width.

Shoulder (Item 108)

km. 0+000 - 0+100 L & R - - - -	200.00 L.M.
km. 6+000 - 7+776 R.S. - - - -	-1,776.00 L.M.
	1,976.00 L.M. of shoulder width

For incidental construction, the contractor's accomplishment for the construction of wheel guard (Item 500) are as follows:

km. 1+237.50 - km. 1+348.80 (L&R) -	12.51 cu.m.
km. 1+377.60 - km. 1+426.10 (L&R) -	5.45 cu.m.
km. 1+166.00 - km. 1+206.50 L.S. -	2.25 cu.m.
	20.21 cu.m.

This work is included in Change Order No. 1 and 2 which is yet to be approved.

2. Feeder Road No. 12

Activities at Feeder Road No. 12 consisted of hauling, spreading and compaction of Common Borrow (Item 107) and surfacing materials (Item 108).

3. Feeder Road No. 13

At Feeder Road No. 13, activities included the hauling, spreading and compaction of surfacing materials.

4. Feeder Road No. 15

Foundation for Item 500 at km. 15+625 R.S. was washed out due to heavy rains.

July, 1982

c. WEATHER

The weather within the coverage period was generally fair in the morning and rainy in the afternoons. For day to day weather condition, refer to Weather and Workability Report, Annex III-A.

d. PERSONNEL AND EQUIPMENT

1. List of Personnel, Annex III-B.
2. List of Equipment, Annex III-C.

II - MATERIALS TESTING AND CONTROL

Laboratory control and field test for materials quality control undertaken during this period June 21 to July 20, 1982 are as follows:

1. Secondary Road

Item 108, Aggregate Subbase

a.	Grading - - - - - - - - - - -	5
b.	PL, LL & PI - - - - - - - -	5
c.	Compaction - - - - - - - - -	3
d.	F.D.T. - - - - - - - - - - -	12

2. Feeder Road No. 12

Item 108, Aggregate Subbase

F.D.T. - - - - - - - - - - - - - - 4

TOTAL ACCOMPLISHMENT AS OF JULY 20, 1982

Item 107	-	Common Borrow - - - - - - - -	7,459.22 m3
108	-	Aggregate Subbase - - - - - -	11,361.87 m3

July 1982

Item 316	-	Portland Cement Concrete Pavement - - - - - - - - -	46,231.171 m2
413(1)	-	0.61 m Ø RCPC - - - - - -	11.00 L.M.
413(3)	-	0.91 m Ø RCPC - - - - - -	19.00 L.M.
413(4)	-	1.07 m Ø RCPC - - - - - -	24.00 L.M.
413(5)	-	1.22 m Ø RCPC - - - - - -	14.00 L.M.
500	-	Grouted Riprap - - - - - -	2,027.584 m3

Items 107, 108 and 500 were partly damaged during the floods caused by typhoon "Lusang". Subsequent report will be submitted.

July 1982

COMMENTS AND RECOMMENDATIONS
Contract ,11

Progress :

Previous Accomplishment after Final Inventory (Old Contract) - - -	74.40%
Scheduled Accomplishment on New Contract - - - - - - - - - - - -	92.08%
Accomplishment on New Contract - -	93.05%
Slippage on New Contract - - - - - - (Positive)	0.97%
Overall Accomplishment - - - - - - - -	98.22%

$$74.40 + (93.05 \times 0.256) = 98.22\%$$

The contractor's positive slippage dropped further from positive 4.18% to positive 0.97% due mainly to the failure to undertake paving works during thirteen (13) days within the coverage period due to lack of cement. Aggravating the situation is the weather, which reduces not only the number of paving days but also reduces the paving hours of a paving day.

However, the contractor has completed its construction of the grouted riprap of side slope protection, which is included in the Change Order Nos. 1 and 2, already submitted for processing and approval.

Certified correct as verified in the field.

JOSE C. VILLANUEVA
Project Manager

July 1982

Annex III-A
Sheet 1 of 2

PROJECT : LIBON-NUGPO, SECONDARY AND FEEDER ROADS
CONTRACT III

WEATHER AND WORKABILITY REPORT
For the period covered June 21 to July 20, 1982

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
June 21, 1982	Fair	Workable	None
22	Fair	-do-	-do-
23	Cloudy with occasional rains	-do-	-do-
24	Cloudy with occasional rains	-do-	-do-
25	Cloudy to rainy	-do-	-do-
26	Cloudy	-do-	-do-
27	Fair to cloudy	-do-	-do-
28	Fair with isolated rainshowers	-do-	-do-
29	Fair	-do-	-do-
30	Fair	-do-	-do-
July 1, 1982	Cloudy with occ. rainshowers	-do-	-do-
2	Cloudy	-do-	-do-
3	Fair	-do-	-do-
4	Fair	-do-	-do-
5	Fair	-do-	-do-
6	Fair to rainy in the P.M.	-do-	-do-
7	Fair with late afternoon rains	-do-	-do-
8	Fair to cloudy	-do-	-do-
9	Fair to rainy	-do-	-do-
10	Fair to rainy	-do-	-do-
11	Fair with late afternoon rainshowers	-do-	-do-
12	Fair	-do-	-do-
13	Fair to rainy in the		

July 1982

Annex III-A
Sheet 2 of 2

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
July 14, 1982	Typhoon "Emang" Signal No. 2	Unworkable	1 day
15	-do-	-do-	-do-
16	Fair	Unworkable site	-do-
17	Fair	-do-	-do-
18	Fair with late afternoon rain	Workable	None
19	Fair with cloudiness and rainshower	-do-	-do-
20	Fair	-do-	-do-

TOTAL UNWORKABLE DAYS = 4 DAYS

July 1982

V.P. EUSEBIO CONSTRUCTION, INC.
Velasco St., Libon, Albay

LIST OF PERSONNEL
As of July 20, 1982

NAME	DESIGNATION
ADMINISTRATIVE/ACCOUNTING	
1. Artemio C. Villavieja	Supv'ng Project Manager
2. Jose O. Casile	Project Manager
3. Mercedes G. Paunel	Cashier
4. Ma. Theresa Campana	Accounting Clerk
5. Salem Secillano	Cost Accountant
6. Anna T. Satuito	Secretary
7. Amarante Anselmo	Timekeeper
8. Josefa Alfores	Utility
ENGINEERING	
1. Felicito Palenzuela	Laboratory Technician
2. Primitivo Segubiense	-do-
3. Maximo Sario, Jr.	Laboratory Aide
4. Rogelio Celebrado	Surveyor
5. Romeo dela Torre	Draftsman
6. Jimmy Saligumba	Survey Aide
7. Eusebio Dollumas	-do-
8. Romulo Gavina	-do-
9. Renato Sastre	-do-
SHOP/MAINTENANCE	
1. Damaso Olivares	Stockclerk
2. Serafio de Jesus	Chief Mechanic
3. Restituto delos Santos	Mechanic
4. Arturo delos Santos	-do-
5. Ambrocio Se, Jr.	Helper Mechanic

July 1982

N A M E	DESIGNATION
SHOP/MAINTENANCE	
6. Orlando Solano	Serviceman
7. Francisco Manzano	Welder
8. Dominador Mendoza	Tireman
9. Esteban Dumangas	Electrician
DRIVERS/OPERATORS	
1. Eduardo Auring	Dump Truck Driver
2. Rodrigo Balbuena	-do-
3. Ernesto Detuy	-do-
4. Augusto Ramos	-do-
5. Prospero Vibares	-do-
6. Macario Amata	Service Driver
7. Guillermo Parro	Water Truck Driver
8. Diosdado Zulueta	Road Grader Operator
9. Agapito Baluyot	Payloader Operator
10. Romeo Gaufo	Roadroller Operator
11. Jesus Selanga	Bulldozer Operator
12. Joseph Clavero	C.T. Helper
13. Wilfredo Atole	Grader Helper
14. Quirico Celis	Payloader Helper
WATCHMAN/CHECKER/CARPENTERS	
1. Godofredo Salazar	Checker
2. Gavino Agravante	-do-
3. Hipolito Togores	-do-
4. Pedro Abila	-do-
5. Jovencio Santillas	-do-
6. Velasco Querobin	-do-
7. Emiliano Sagalus	Carpenter
8. Ernesto Pan	-do-

July 1982

NAME	DESIGNATION
1. Manuel Lozo	Leadman
2. Estelito Benico	-do-
3. Jose Alfores	Laborer
4. Domingo Labini	-do-
5. Ciriaco Referesa	-do-
6. Emeterio Seva	-do-
7. Rodolfo Borero	-do-
8. Antonio de Mesa	-do-

Batch Plant Crew

7 - Laborers

PCCP/Form Setting Crew

5 - Masons
8 - Laborers

July 1982

BICOL RIVER BASIN DEVELOPMENT PROGRAM
SAN JOSE, PILI, CAM. SUR

EMPLOYMENT GENERATION SURVEY (SGS)

Name of Contractor : V.P. EUSEBIO CONSTRUCTION, INC.

For the month of : JULY 1982

		ADMINISTRATIVE/ FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
Manila Basis	1/	2	1	4	-
Local Hired	2/	6	8	23	31
Sub-Contractor	3/	-	-	-	-
T O T A L		8	9	27	32

1/ Includes permanent employees

2/ Employees residing within the basin area

3/ Local hired only

July 1982

V.P. EUSEBIO CONSTRUCTION, INC.
Velasco St., Liton, Albay

LIGOP-AUGPO SECTION
Contract III

LIST OF EQUIPMENT
AS of July 20, 1982

PROPERTY NO.	NOMENCLATURE	MAKE	MODEL	SERIAL NO.	SERVICEABILITY
1	Utility Jeep	Ford	CL75C	MUC2AL-14743	Operational
2	Service Pick-Up	Isuzu		KD-10P05202845	-do-
DT - 008	Dump Truck	-do-	TMK-572E	E-120-210365	-do-
DT - 011	-do-	-do-	TMK-522E	E-120-217053	-do-
DT - 015	-do-	-do-	SP2-450	E-120-231110	-do-
TM - 101	Transit Mixer	-do-	TMK-672-7	E-213166	-do-
TM - 102	-do-	-do-	TMK-572E-[illegible]	E-11331	-do-
TM - 104	-do-	-do-	TMK-572E-6	E-215795	-do-
APL - # 02	Asphalt Sprayer	-do-	JH - 65	DA640-531964	-do-
APL - # 03	-do-	Cummins	JH-65		-do-
ERG - # 04	Roadgrader	Mitsubishi	LG - 2	6D81-110285	-do-
ERR - # 05	Roadroller	Asahi	TR-8-0037	GW-10C-92238	Breakdown
D7 - E	Bulldozer	Caterpillar			Operational
HTK- # 02	Dump Truck	Isuzu	DA640-1	DA640-318573	-do-
1	Vibratory Compactor				-do-
1	Water Pump	Honda			-do-
1	Power Generator	-do-			-do-

BIDDING DATE: NEGOTIATED CONTRACT

OFFICIAL STARTING DATE SEPT. 1, 1981

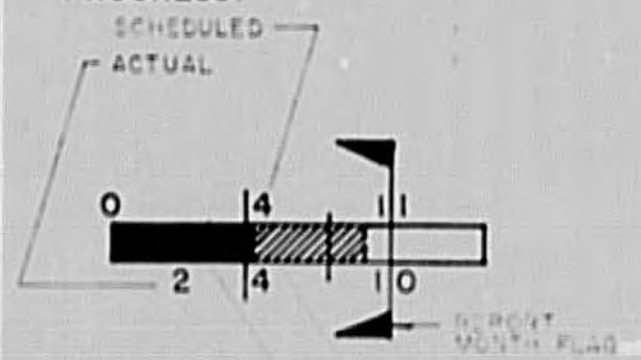
ORIGINAL COMPLETION DATE APRIL 28, 1982

APPROVED REVISED COMPLETION DATE AUGUST 22, 1982

PROBABLE COMPLETION DATE

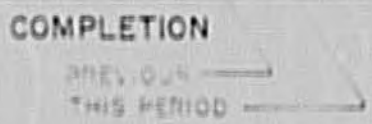
	ITEM	% CONTRACT VALUE	% ITEM COMPLETE	% PROJECT COMPLETE
1	GENERAL	3.31	97.00	3.21
2	EARTHWORK	56.24	49.27	27.71
3	AGGREGATE SUBBASE	26.05	47.49	12.37
4	SURFACE COURSE & PAVEMENT	0		
5	STRUCTURES	7.58	30.07	2.26
6	INCIDENTAL CONSTRUCTION	6.82	68.03	4.64
	TOTAL	100	50.21	

PROGRESS:



ACTUAL	50.21
SCHEDULED	100

COMPLETION



LEGEND ——— SCHEDULED
- - - - ACTUAL

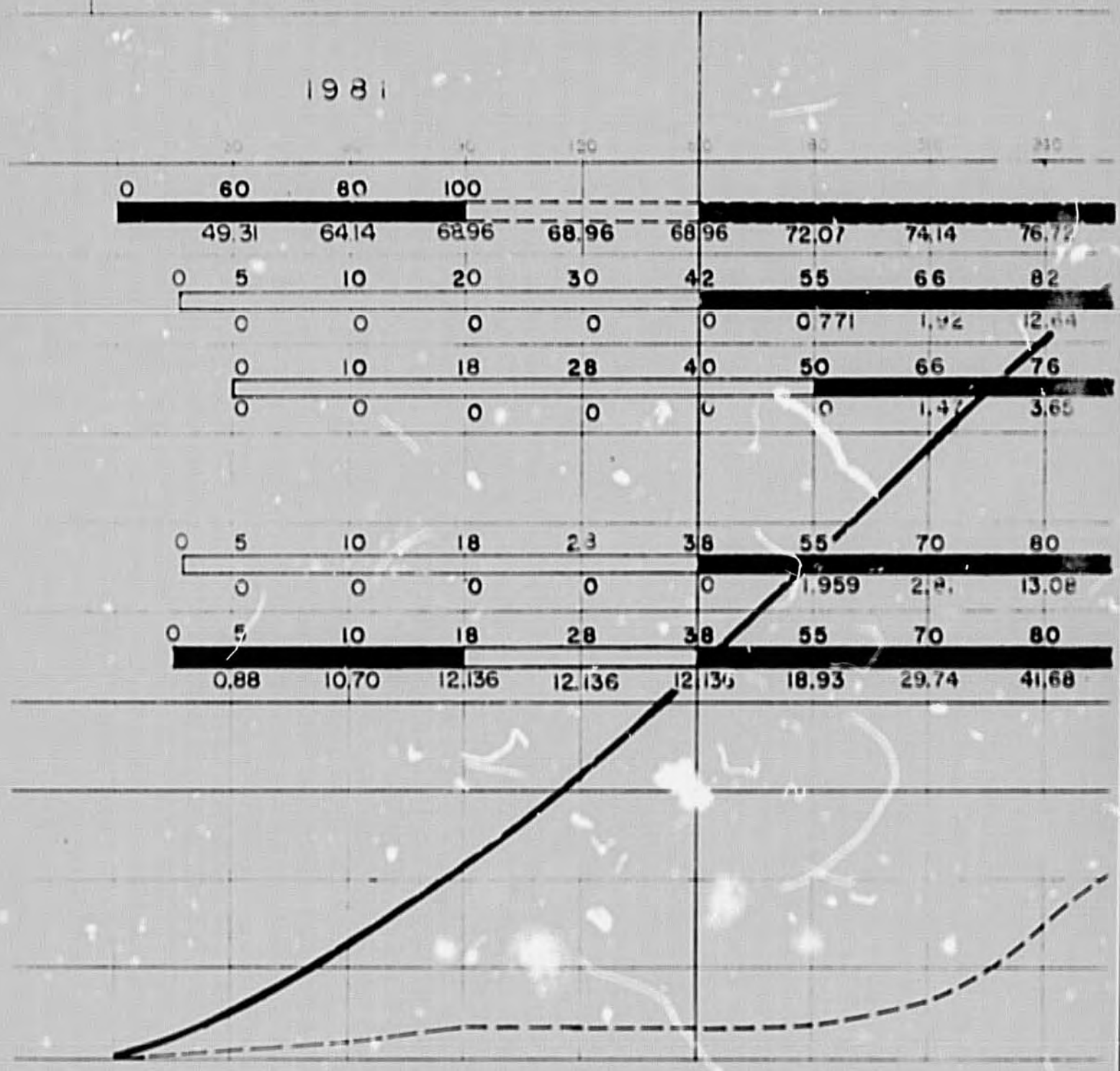
23

BICOL SECONDARY AND FEEDER ROADS PROJECT
BICOL RIVER BASIN DEVELOPMENT PROGRAM

PACKAGE 4

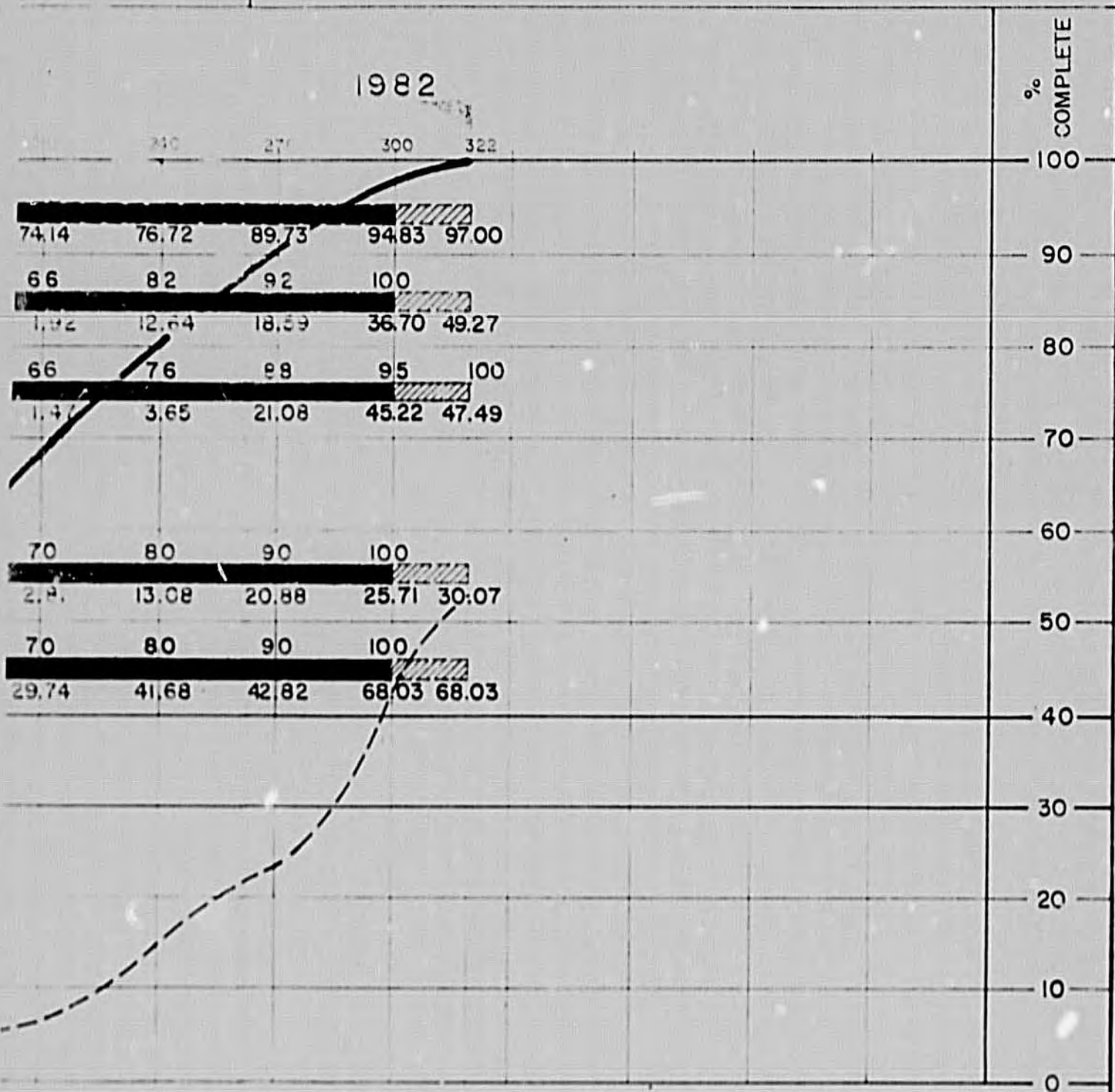
SUB-PROJECT NO. 11, CONTRACT IV, NUGPO - SAN JUAN SECTION

PROGRAM OF WORK AND PROGRESS CHART



NOTE: REVISED MAY 20, 1982 WITH REVI
WITH EIGHTY TWO (82) CALENDA

)JECT M	PREPARED BY: GONZALO G. CRUZ RESIDENT ENGINEER
	CONCURRED BY: COL. JOSE LABERINTO
SECTION ART	NET CONTRACT BID AMOUNT ₱ 8, 752, 700.00
	APPROVED REVISED CONTRACT AMOUNT
	CURRENT ESTIMATED FINAL COST



1982 WITH REVISED COMPLETION DATE JULY 19, 1982 AS RECOMMENDED
0 (82) CALENDAR DAYS TIME EXTENSION.

25

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS & HIGHWAYS
M A N I L A

MONTHLY CONSTRUCTION REPORT

No. 11

July 1982

Sub-Project 11

Contract No. IV

NUGPO-SAN JUAN SECTION

Secondary Road
and
Feeder Roads

DUGA-PINAGBANILA NO. 16
DIVISORIO-HALONGHONG-MAGAUONG NO. 18
GUYODAN-PAYAK NO. 20
PAYAK-PAGATPATAN NO. 21
GUYODAN-LAKE BATO NO. 22

CONTEZA DEVELOPMENT CORPORATION
(Consultant)

61ST ENGINEER BRIGADE, P.A.
(Contractor)

July 1982

PROGRESS REPORT NO. 11
July 1982

PROJECT : CONTRACT IV, NUGPO-SAN [illegible] SECTION
SECONDARY & FEEDER ROADS, SUB-PROJECT NO. 11

I-a. GENERAL

This report covers the activities and accomplishments for the period covered from June 21 to July 20, 1982. The activities of the 51st Engineer Brigade consisted of hauling and spreading of Item 108, Roadway and Drainage Excavation, and Base preparation and pouring of PCCP at the spillway.

b. PROGRESS

Listed below at respective sections were the accomplishments of the 51st Engineer Brigade within the covered period:

1. Feeder Road No. 18

Item 105(3) - Roadway and Drainage Excavation (Common Excavation from cut for Embankment) - - - - - - 13,570.00 m3

Item 105(5) - Roadway and Drainage Excavation (Excavation of Surplus Materials) -, 20,018.882m3

2. Feeder Road No. 20

Item 108 - Aggregate Subbase - - 243.05 m3

3. Feeder Road No. 21

Item 108 - Aggregate Subbase - - 525.00 m3

Item 316 - Portland Cement Conc. Pavement - - - - - - - - 252.00 m2

Item 500 - Grouted Riprap together with the embankment on the spillway collapsed during typhoon "Emang". The volume of the collapsed riprap is approximately 25 cu.m. at Sta. 10+985 to Sta. 11+010 left side and from Sta. 11+000 to Sta. 11+010 right side.

c. WEATHER

The weather for this period was not favorable for earthwork operations due to the passing of typhoon "Emang" and isolated rains which often occured in the afternoon. For day to day weather and workability report, see attached as Annex IV-A.

d. EQUIPMENT

See list of Equipment, Annex IV-B.

II - MATERIALS TESTING AND CONTROL

Laboratory control and field test for materials quality control undertaken during this period June 21 to July 20, 1982 are as follows:

1. Feeder Road No. 20

Item 108, Aggregate Sublase

a. Grading - - - - - - - - - - 2
b. PL, LL & PI - - - - - - - - 2
c. Compaction - - - - - - - - - 1

July 1982

2. Feeder Road No. 21

Item 108, Aggregate Subbase (Spillway)

F.O.T. - - - - - - - - - - - - - - 2

July 1982

COMMENTS AND RECOMMENDATIONS
(Contract IV)

Progress:

Accomplishment under old contract - - - -	70.06%
Scheduled Accomplishment (New Contract) -	100.00%
Accomplishment (New Contract) - - - - - -	50.21%
Overall Accomplishment - - - - - - - - - -	85.09%

Pending processing of the change order submitted for approval, the herein Progress Chart has not been up-dated. Seemingly the negative slippage is about 49%. However, upon approval of the change order this Progress Chart will be revised and obviously the slippage will be reduced.

Recurrence of torrential rains has hampered work especially on Feeder Road No. 16, thus progress of the work is slow, since construction work on other section is almost complete, so that concentration of construction work is on this Feeder Road.

Certified correct as verified in the field.

JOSE C. VILLANUEVA
Project Manager

July 1982

PROJECT : SAN JUAN-NUGRO, SECONDARY AND FEEDER ROADS
CONTRACT IV

WEATHER AND WORKABILITY REPORT
For the period covered June 21 to July 20, 1982

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
June 21, 1982	Fair	Workable	None
22	Fair	-do-	-do-
23	Cloudy with occasional rains	-do-	-do-
24	Cloudy with occasional rains	-do-	-do-
25	Cloudy to rainy	-do-	-do-
26	Cloudy	-do-	-do-
27	Fair to cloudy	-do-	-do-
28	Fair with isolated rainshowers	-do-	-do-
29	Fair	-do-	-do-
30	Fair	-do-	-do-
July 1, 1982	Cloudy with occ. rainshowers	-do-	-do-
2	Cloudy	-do-	-do-
3	Fair	-do-	-do-
4	Fair	-do-	-do-
5	Fair	-do-	-do-
6	Fair to rainy in the P.M.	-do-	-do-
7	Fair with late afternoon rains	-do-	-do-
8	Fair to cloudy	-do-	-do-
9	Fair to rainy	-do-	-do-
10	Fair to rainy	-do-	-do-
11	Fair with late afternoon rainshowers	-do-	-do-
12	Fair	-do-	-do-
13	Fair to rainy in the evening	-do-	-do-

July 1982

Annex IV-A
Sheet 2 of 2

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
July 14, 1982	Typhoon "Emang" Signal No. 2	Unworkable	1 day
15	Typhoon "Emang" Signal No. 2	-do-	-do-
16	Fair	Unworkable site	-do-
17	Fair	-do-	-do-
18	Fair with late afternoon rain	Workable	None
19	Fair with cloudiness and rainshower	-do-	-do-
20	Fair	-do-	-do-

TOTAL UNWORKABLE DAYS = 4 DAYS

July 1982

51ST ENGINEER BRIGADE, PA
San Juan-Nugpo Section
Contract IV

LIST OF EQUIPMENT
As of July 20, 1982

PROPERTY NO.	NOMENCLATURE	CAPACITY	MANUFACTURER'S MAKE	MODEL	SERIAL #	REMARKS SERVICEABILITY
1	Tractor Dozer		III-C	TD-20	5143	Breakdown
2	-do-		-do-	-do-	5010	Operational
3	-do-		-do-	-do-	4560	Breakdown
4	-do-		-do-	-do-	6725	-do-
5	Scoop Loader		A/Chalr	TL-645	3D-4355	Operational
6	-do-		-do-	44645	3D-06779	Breakdown
7	Grader Road MT2D		Wabco	4401AA	4A-134339	Operational
8	Road Roller		Huber		HJ-3414510	Breakdown
9	M.H. Tractor 5 ton		Cont	M62K	84203646	Operational
10	M.H. Cracker 5 ton		Kaifer		9215-1105	-do-
11	Conc. Mixer 2 Bagger		Briggs	190452	7037004	Breakdown
12	M.H. Louted 25 ton					Operational
13	Water Pump		Wisconsin	3423	467871	-do-
14	Generator Set		G.M. Pioneer			-do-
15	Road Grader MT2D		Wabco	4401AA		Breakdown

PROPERTY NO.	NOMENCLATURE	CAPACITY	MANUFACTURER'S MAKE	MODEL	SERIAL #	REMARKS SERVICEABILITY
16	Dump Truck 10 wheelers		Isuzu			Operational
17	-do-		-do-			-do-
18	-do-		-do-			-do-
19	-do-		-do-			-do-
20	Dump Truck		Fuso			-do-
21	[illegible] Utility ½ ton 4 x 4		Mini Cruiser	RJ2B	12RM-41634	-do-
22	-do-		-do-	-do-	12RM-43113	-do-
23	-do-		KAISER	0330	4341052	-do-
24	[illegible] Dump 5½ ton	2.5 cu.m.	IHC	1500	86265	Breakdown
25	[illegible] Dump 5½ ton	1.5 cu.m.	Toyota	DA101LD	2D-6494396	-do-
26	[illegible] L/C 3/4 ton		-do-		F244200	Operational
27	[illegible] Tank Flusher		IHC	1000	562171	Breakdown
28	[illegible] Water Tank		Red West	62		Operational
29	[illegible] Tank Fuel 2½ ton		IHC	1700	989272	-do-
30	Battery Charger		Clinton	4101020	55008178	-do-
31	T[illegible] Dump 2½ ton 6 x 6		White	M54A2	3903703	-do-
32	-do-		-do-	-do-	3907892	-do-
33	-do-		-do-	-do-	3907172	-do-
34	-do-		-do-	-do-	3908715	-do-

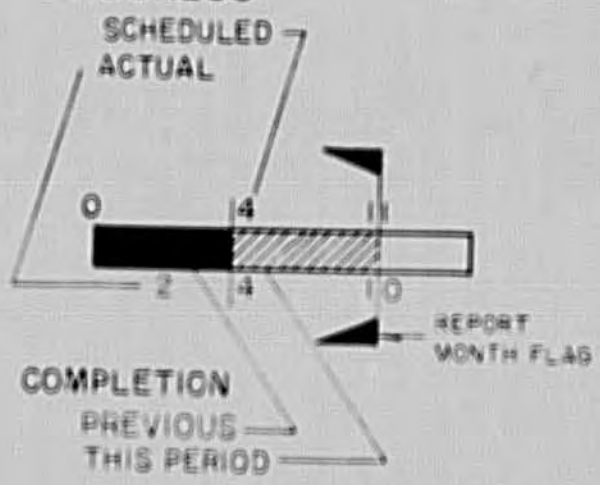
PROPERTY NO.	NOMENCLATURE	CAPACITY	MANUFACTURER'S MAKE	MODEL	SERIAL #	REMARKS SERVICEABILITY
35	Tractor Dozer 200 HP		Caterpiller	D7G	62200112	Operational
36	-do-		-do-	-do-	62200240	-do-
37	-do-		-do-	-do-	62200141	-do-
38	Wheel Loader 130 HP		-do-	966	78R59790	-do-
39	Tipping Truck		Isuzu			-do-
40	-do-		-do-			-do-
41	-do-		-do-			-do-
42	Dump Body Truck, 6 wheelers		Leyland			-do-
43	-do-		-do-			-do-
44	-do-		-do-			-do-

BIDDING DATE :	MAY 7, 1981
OFFICIAL STARTING DATE :	JULY 25, 1981
ORIGINAL COMPLETION DATE :	JULY 19, 1982
APPROVED REVISED COMPLETION DATE :	SEPTEMBER 4, 1982
PROBABLE COMPLETION DATE :	

	ITEM	% CONTRACT VALUE	% ITEM COMPLETE	% PROJECT COMPLETE
1	EARTHWORK	16.21	93.89	15.22
2	BASE COURSE	36.87	89.80	33.11
3	SURFACE COURSE & PAVEMENT	24.06	33.33	8.02
4	STRUCTURES	13.63	45.93	6.26
5	INCIDENTAL CONSTRUCTION	9.23	80.39	7.42
	TOTAL	100		70.03

ACTUAL	70.03
SCHEDULED	88.78

PROGRESS



LEGEND — SCHEDULED
- - - ACTUAL

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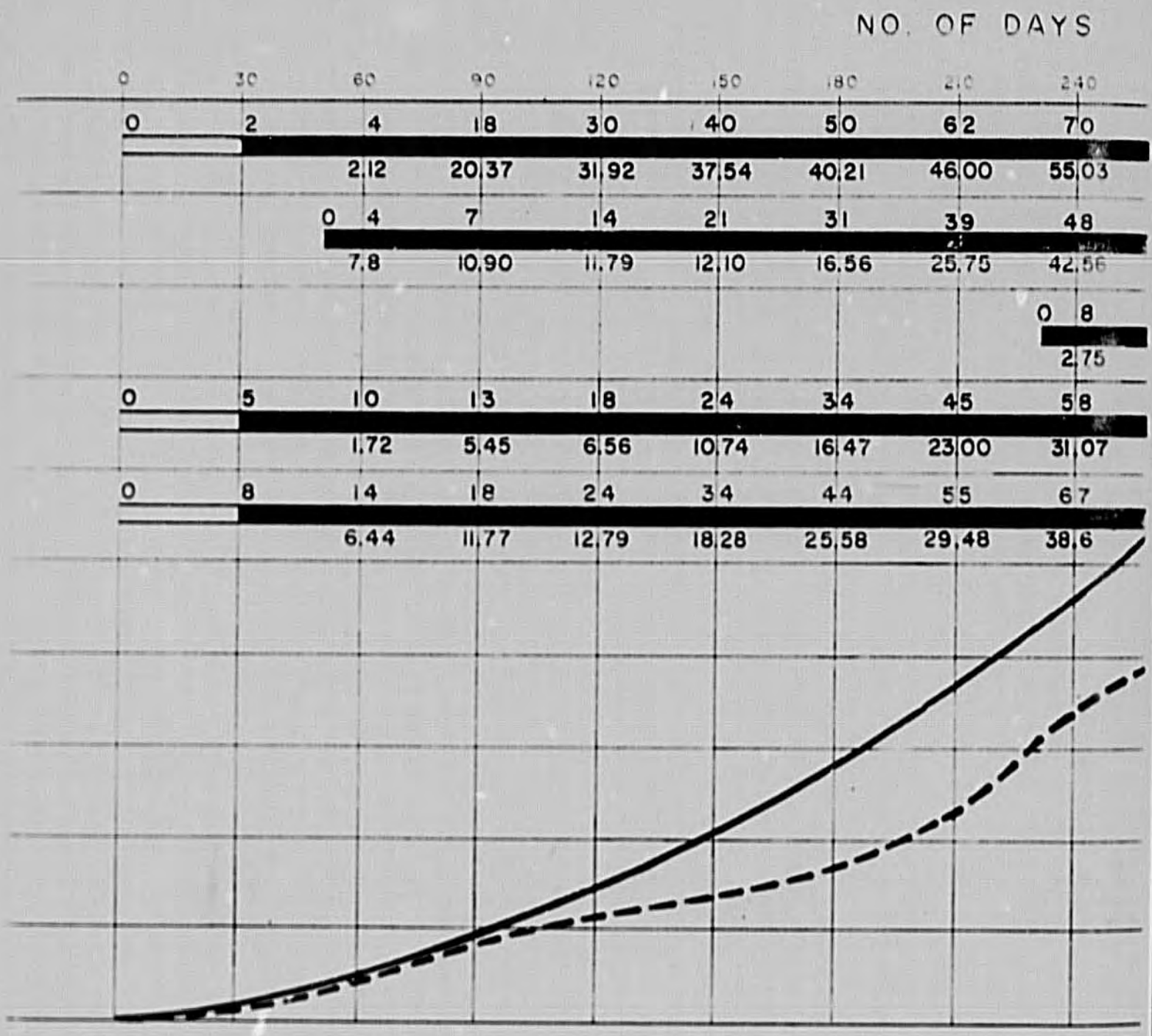
BICOL SECONDARY AND FEEDER ROADS PROJECT
BICOL RIVER BASIN DEVELOPMENT PROGRAM

PACKAGE 4

SUB-PROJECT NO. 14, CONTRACT V-A, POLANGUI-NASISI ROAD

PROGRAM OF WORK AND PROGRESS CHART



REVISION OF CHART BASED ON THE REVISED PERT/CPM NETWOR
AS PER RECOMMENDED TIME EXTENSION OF 47 DAYS FOR C

CT

OAD
RT

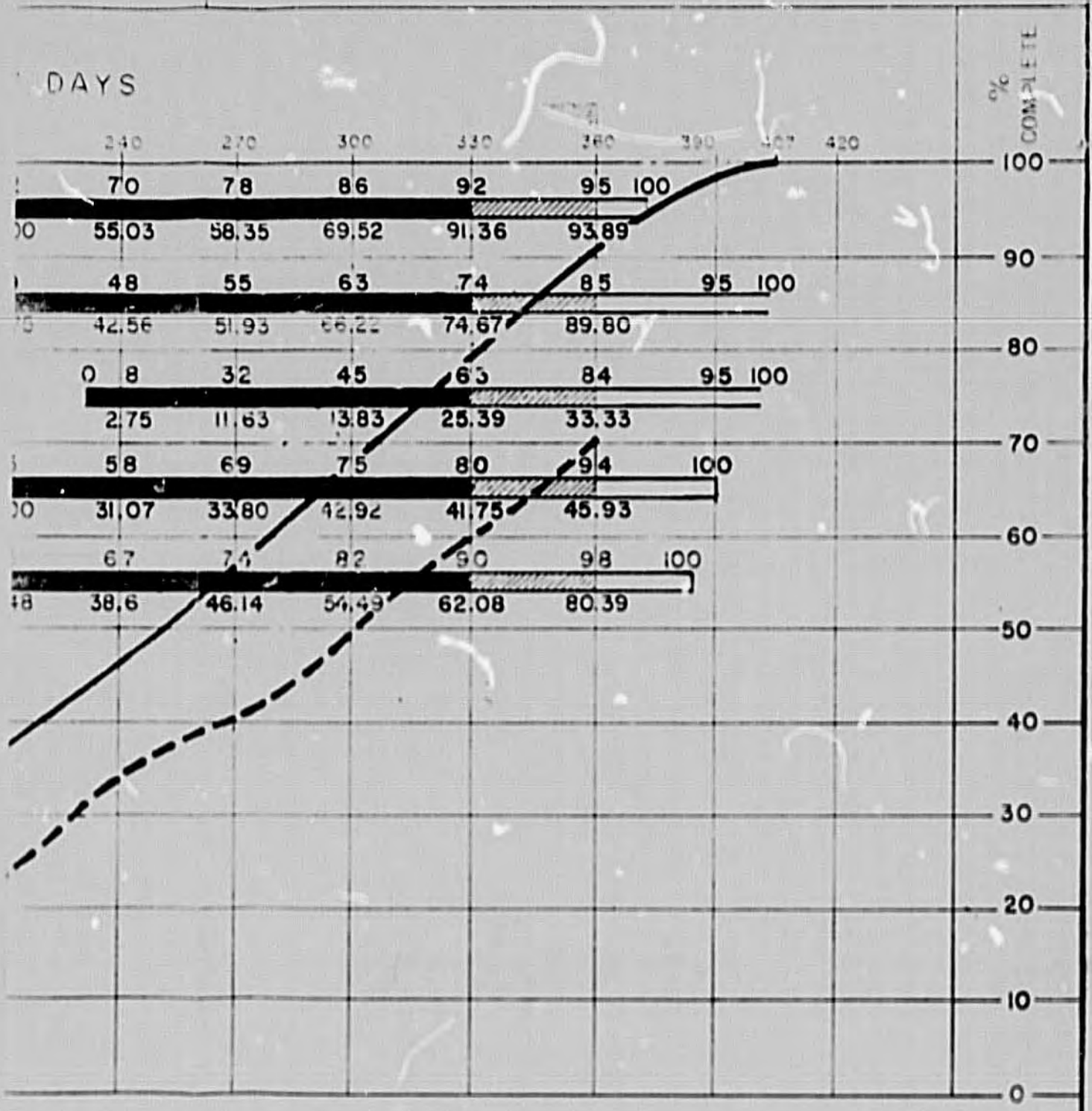
PREPARED BY :
CONCURRED BY :

GONZALO CRUZ
RESIDENT ENGINEER

NET CONTRACT BID AMOUNT : ₱ 10,988,450.55

APPROVED REVISED CONTRACT AMOUNT : ₱ 11,231,319.25

CURRENT ESTIMATED FINAL COST : ₱ 11,231,319.25



/CPM NETWORK APPROVED BY THE DEPUTY MINISTER, MPWH
7 DAYS FOR C.O. NOS. 1 & 2.

ANNEX V

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS & HIGHWAYS
M A N I L A

MONTHLY CONSTRUCTION REPORT

No. 13

July 1982

Sub-Project 14

Contract No. 7-A

POLANGUI-NASISI SECTION

Secondary Road
and
Feeder Roads

PONSO-SAN AGUSTIN NO. 1
BALOGO-SAN RAMON-TASOG NO. 2
BARAYONG-LIGAO NO. 3

CERTEZA DEVELOPMENT CORPORATION
(Consultant)

WILLIAM UY CONSTRUCTION, INC.
(Contractor)

July 1982

PROGRESS REPORT NO. 13
July 1982

PROJECT : CONTRACT V-A, POLANGUI-NASISI, SECONDARY AND FEEDER ROADS, SUB-PROJECT NO. 14

I-a. GENERAL

This monthly progress report covers the construction activities and accomplishment on the Polangui-Nasisi, Secondary and Feeder Road Nos. 1, 2 and 3 for the coverage period from June 21 to July 20, 1982. The activities consists mainly of the continuation of earthwork and subbase on the Secondary and Feeder Roads, Base and asphalting works on the Secondary Road, construction of structures (Box Culverts and side drains) and riprap works for side slope protection.

b. PROGRESS

Item 100 (Clearing and Grubbing)

Clearing and Grubbing was continued from Sta. 1+100 down to Sta. 0+115 on the Secondary Road. Left undone were portions where right-of-way problem is still pending resolution.

Item 105(3) Roadway and Drainage Excavation

Likewise, Roadway and Drainage excavation was continued from Sta. 1+100 down to Sta. 0+115, leaving also portions where right-of-way problem still exist.

Item 105(5) Roadway and Drainage Excavation (Unsuitable Materials)

Also, excavation and removal of unsuitable

materials within the above stretch has been completed.

Item 107, Common Borrow

As expected, after the completion of the above items of work, embankment with Item 107 (Common Borrow) was also continued from Sta. 1+100 down to Sta. 0+155, within the travelled way (shoulder to shoulder) along the Secondary Road.

Likewise, embankment with Common Borrow was continued and still ongoing along Feeder Road No. 1.

Item 108, Aggregate Subbase

Road subbase along the Secondary Road, is now almost complete, except for the stretch from Sta. 0+000 to Sta. 0+115, and some random correction of thickness and elevation for the shouldering from Sta. 1+100 up to Sta. 12+800. However, this will have to be done after completion of the surfacing of the road.

Item 200, Aggregate Base Course

On the Secondary Road, placing of Aggregate Base Course is approximately 96.90% completed. With the proposed change of construction level from Single Bituminous Surface Treatment (SBST) to Portland Cement Concrete Pavement (PCCP) on the stretch from Sta. 0+000 to Sta. 1+200 subsequent deletion of Item 200 on this stretch is obvious.

So that only on the stretch from Sta. 7+200 to Sta. 7+400 is Item 200 left to be done. However, with the completion of the R.C. Box Culvert at Sta. 7+295 and also the riprap works for side slope protection from Sta. 7+260 to Sta. 7+400, placing

of Aggregate Base Course is expectedly to be done soon.

Item 301(1), Prime Coat

Prime Coating Asphalt (S.S.I.) has been applied and completed and now are all applied with 1st Course of Asphalt (MC-250).

Item 305(1) & (2), Bituminous Seal Coat Materials and Aggregates)

Seal Coat has been applied, thus completing Asphalt Surfacing on the following:

RIGHT LANE

11+450 to 12+800	=	1,350 L.M.
11+395 to 11+450	=	55 L.M.
9+960 to 10+325	=	765 L.M.
		2,170 L.M.

LEFT LANE

11+450 to 12+800	=	1,350 L.M.
9+960 to 10+355	=	395 L.M.
		1,745 L.M.

Thus, the total length already completed is 3,915 L.M. (half width) or an equivalent of 1.907 km. full width.

Item 314(1) & (2), Bituminous Materials and Aggregates

Aside from above completed stretches, the following stretches have only been completed up to the 1st Course:

RIGHT LANE

Sta. 10+725 to Sta. 10+975 = 250 L.M.

July 1982

Sta. 11+225 to Sta. 10+380 = 155 L.M.
405 L.M.

Item 316, Portland Cement Concrete Pavement

Paving with Portland Cement Concrete on the spillway from Sta. 12+260 to Sta. 12+340 on right lane of 2.75 m width and from Sta. 12+260 to Sta. 12+300 on left lane of 2.75 m width.

Structures

Item completion for structure to date is approximately 45.93% consisting mainly of:

a. Three (3) Spans Timber Bridge on R.C. Piles
b. One (1) Single Barrel 1.00m x 0.75m RC Box Culvert
c. One (1) Single Barrel 1.25m x 1.50m RC Box Culvert
d. 217 LM of 0.61m Ø RC Pipe Culvert
e. 95 L.M. of 0.91m Ø RC Pipe Culvert
f. 60 L.M. of 1.07m Ø RC Pipe Culvert
g. 28 L.M. of 1.22 m Ø RC Pipe Culvert

Aside from the above, construction is on going for (1) Single Barrel 3.00m x 1.80m RC Box Culvert at Sta. 7+191, Feeder Road No. 2, (2) Single Barrel 4.50m x 2.50m RC Box Culvert at Sta. 4+158, Feeder Road No. 1 and (3) Three (3) Spans Timber Bridge on RC Piles at Sta. 4+950 Feeder Road No. 1

Incidental Construction

Incidental construction works consists mainly of Grouted Riprap works for side slope protection, headwall and wingwall of structure and slope protection of Bridge Approaches.

Before the passing of typhoon "Emang" on July 14 and 15, 1982, these incidental construction work was approximately 95% complete, however, washed

away by flood water are portions of the riprapped slope protection of the Approach "B" of Alnay Bridge and a 20-meter stretch of the spillway on Feeder Road No. 3.

c. WEATHER

Weather during this period was most unfavorable especially for asphalting works. Furthermore, flood waters destroyed completed works and eroded random stretches of road embankments and shoulders.

For day to day weather, see Weather and Workability Report, Annex V-A-A.

d. PERSONNEL AND EQUIPMENT

1. See list of personnel, Annex V-A-B.
2. See list of equipment, Annex V-A-C.

II - MATERIALS TESTING AND CONTROL

As routinary requirements, laboratory test and control were conducted, the summary of which is as follows:

1. Secondary Road

Item 107, Common Borrow

a. Grading - - - - - - - - - - - - 2
b. PL, LL & PI - - - - - - - - - 2
c. Compaction - - - - - - - - - - 2

Item 108, Aggregate Subbase

a. Grading - - - - - - - - - - - - 11
b. PL LL & PI - - - - - - - - - - 5
c. Compaction - - - - - - - - - - 1

July 1982

Item 314, Single Bituminous Surface treatment (SBST)

Grading - - - - - - - - - - - - - 8

2. Feeder Road No. 2

Item 108, Aggregate Subbase

F.D.T. - - - - - - - - - - - - - 14

3. Feeder Road No. 3

Item 108, Aggregate Subbase

F.D.T. - - - - - - - - - - - - - 15

Item 316, Portland Cement Conc. Pavement (PCCP)

F.D.T. - - - - - - - - - - - - - 9

July 1982

COMMENTS AND RECOMMENDATIONS
(Contract V-A)

Progress:

Accomplishments (Old Contract) - - - -	35.69%
Accomplishment (New Contract) - - - -	70.03%
Scheduled Accomplishment - - - - - - - -	88.78%
Slippage (New Contract) - - - - - - - -	18.75% (-)
Total Time Elapsed - - - - - - - - - - (As of July 20, 1982)	360 Cal. days
Original Contract Time - - - - - - - - -	360 Cal. days
Total Time Extension (site unworkability and as per Change Order Nos. 1 & 2) -	47 Cal. days
Contract Time Including Recommended Time Extension - - - - - - - - - - - - -	407 Cal. days
Overall Accomplishment - - - - - - - - -	80.73%

$$35.69 + (0.6431 \times 70.03) = 80.73\%$$

As in previous report, we are again reiterating our advice for the contractor to augment their asphalting equipments with at least two more asphalt kettle and another roller.

Further, it is also suggested that with the soon to start P.C. Concrete Paving on the Sta. 0+000 to Sta. 1+200, they must provide at least three (3) transit mixers for their concrete paving work.

Certified correct as verified in the field.

JOSE E. VILLANUEVA
Project Manager

July 1982

PROJECT : POLANGUI-NASISI, SECONDARY AND FEEDER ROADS
CONTRACT V-A, SUB-PROJECT NO. 14

WEATHER AND WORKABILITY REPORT

For the period covered June 21 to July 20, 1982

D A T E	WEATHER	REMARKS	UNWORKABLE DAYS
June 21, 1982	Cloudy with isolated rainshowers	Workable	None
22	Cloudy with occ. rainshowers	-do-	-do-
23	Cloudy to rainy	Unworkable	1 day
24	Fair to cloudy with occ. rainshowers	Workable	None
25	Cloudy with occ. rainshowers	Unworkable (AM rainshower)	½ day
26	Cloudy with occ. rainshowers	Workable	None
27	Cloudy with occ. rainshowers	Unworkable	1 day
28	Cloudy with occ. rainshowers	AM Workable PM Unworkable	½ day
29	Fair	Workable	None
30	Cloudy with occ. rainshowers	-do-	-do-
July 1, 1982	Cloudy to rainy	Unworkable	1 day
2	Fair with cloudiness	Workable	None
3	-do-	-do-	-do-
4	Fair	-do-	-do-
5	Fair	-do-	-do-
6	Cloudy	-do-	-do-
7	Cloudy to rainy	Unworkable	1 day
8	Fair (A.M.) Rainy (P.M.)	-do-	½ day
9	Cloudy to rainy	-do-	1 day
10	Cloudy to rainy	-do-	1 day
11	Cloudy to rainy	-do-	1 day
12	Fair with cloudiness	Workable	None

July 1982

Annex V-A-A
Sheet 1 of 2

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
July 13, 1982	Fair with cloudiness	Workable	None
14	Typhoon "Emang"	Unworkable	1 day
15	Typhoon "Emang" Signal No. 2	-do-	-do-
16	Cloudy to fair but with flood water	-do-	-do-
17	Fair	Workable	None
18	Fair	-do-	-do-
19	Cloudy to rainy	Unworkable	1 day
20	Fair	Workable	None

TOTAL UNWORKABLE DAYS = 12½ DAYS

July 1982

Annex V-A-D
Sheet 1 of 3

LILLIAN UY CONSTRUCTION CORPORATION
Polangui-Nasisi Section

LIST OF PERSONNEL
As of July 20, 1982

NAME	DESIGNATION
ADMINISTRATIVE	
1. Diosdado B. Bancaso	Project Engineer
2. Elpidio S. Mangubat	Field Supervisor
3. Jesus S. Bonacua	Liaison Officer
4. Alan F. Chiu	Office Engineer
5. Corazon Fernandez	Bookkeeper/Accounting Clerk
6. Elena R. Ribaya	Office Secretary
7. Rufina C. Bautista	Clerk Typist
8. Juan L. Senura	Timekeeper
9. Mario Austero	-do-
10. Clinton R. Ramosa	C.E. Aide
11. Reynaldo Osiana	-do-
12. Florito B. Buen	Materials Checker
SURVEY	
1. Fernando D. Dave	Chief Surveyor/ Instrumentman
2. Dioscoro Pabelonia	Instrumentman
3. Danilo Bonacua	Survey Aide
4. Arnulfo Tibor	-do-
5. Conrado An	-do-
6. Jose Ruel Abacahan	-do-
7. Rodolfo Matias	-do-
8. Nelson Loriaga	-do-
MATERIALS LABORATORY	
1. Roger A. Sarmiento	Laboratory Technician
2. Danny Astibe	Laboratory Aide
3. Juan Villegas, Jr.	-do-

NAME	DESIGNATION
BRIDGE GANG	
1. Edilberto Sangrao	Foreman
2. Hilario Nunez	Head Carpenter
3. Jovito Ordan	Carpenter
4. Dalmacio Revilla	-do-
5. Domingo Ronda	-do-
6. Domingo Canal	Carpenter/Riggerman
7. Esteban Melgar	Riggerman
MAINTENANCE	
1. Wilfredo de Leon	Shop Superintendent
2. Conrado de Leon	Mechanic
3. Ricardo de Leon	Junior Mechanic
4. Rufino Abrenica	Welder
5. Salvador Ruiz	-do-
6. Jeremias Fruto	Electrician
7. Regelio Lozano	-do-
8. Antonio Morales	Helper Mechanic
9. Renato Jesoro	-do-
10. Jose Macayer	Serviceman
11. Rodolfo Quinto	-do-
12. Salvador Sario	-do-
DRIVERS/OPERATORS	
1. Felix Sibay	Roadgrader Operator
2. Jesus Rollon	-do-
3. Federico Luna	-do-
4. Alejo Manuel	Bulldozer Operator
5. Nestor Conacua	-do-
6. Fernando Llasos	Payloader Operator
7. Loreto Evangelista	-do-
8. Lorenzo Regala	Roadroller/Crane Operator
9. Eduardo Calvit	Roadroller Operator
10. Nelson Regala	Roadroller Operator/ Later Truck Operator

N A M E	DESIGNATION
DRIVERS/OPERATORS	
11. Benito Gamazon	Trailer/Dump Truck Driver
12. Vicente San Lorenzo	Dump Truck Driver
13. Macario Samalca	-do-
14. Avelino Sabularse	-do-
15. Loreto Buen	-do-
16. Ruperto Cabeltera, Jr.	-do-
17. Salvador Atenate	-do-
18. Jesus Bondice	-do-
19. Salvador Aydalla	Service Driver
20. Nestor Bola	-do-
21. Silverio Penublar	-do-
22. Lucas Batalier	Water Truck Driver
LABORER/EQUIPMENT HELPER	
1. Cirinco Nunez	
2. Salvador Orden	
3. Porfirio Broma	
4. Efren Tibor	
5. Vicente Culaway	
6. Benjamin Ancheta	
SECURITY GUARD	
1. Porfirio Senora	
2. Pedro Nebres	
3. Gregorio San Juan, Jr.	
UTILITY	
1. Manuel Culaway	
2. Purita Tainzon	

July 1982

BICOL RIVER BASIN DEVELOPMENT PROGRAM
SAN JOSE, PILI, CAM. SUR

EMPLOYMENT GENERATION SURVEY (ESS)

Name of Contractor : WILLIAM UY CONSTRUCTION CORPORATION

For the month of : JULY 1982

		ADMINISTRATIVE/ FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
Manila Based	1/	1	-	4	-
Local Hired	2/	9	5	68	43
Sub-Contractor	3/	-	-	2	33
T O T A L		10	5	74	76

1/ Includes permanent employees

2/ Employees residing within the basin area

3/ Local hired only

* Sub-Contractor men not included in the List of Personnel

WILLIAM UY CONSTRUCTION CORPORATION
Polangui-Nasisi Section
Contract V-A

LIST OF EQUIPMENT

PROPERTY NO.	MACHINERY	CAPACITY	MANUFACTURER'S MAKE	MODEL	SERIAL NO.	REMARKS SERVICEABILITY
SPU	Service Pick-Up		Toyota Hi-Lux	1972-12R	13-023753	Operational
SPU	Service Pick-Up		-do-			-do-
SJ	Service Jeep	[illegible]	Willy's Flat Head		E-63875	-do-
DT-301	Dump Truck	12 cu.m.	Isuzu	S82-450	1800745	-do-
DT-302	-do-	-do-	-do-	-do-	1804090	-do-
DT-303	-do-	-do-	-do-	-do-	1803322	-do-
DT-304	-do-	-do-	-do-	-do-	1806005	-do-
DT-305	-do-	-do-	-do-	-do-	1806323	Under Repair
DT-203	Water Truck	5 cu.m.	-do-			Operational
RR # 1	Roadroller	9 tons	Gallion	R27301	R2301	-do-
RR # 2	-do-	8 tons	Tandem Road Roller Super Major		S-98096E	-do-
1	Farm Tractor		Massey Ferguson	175	21123	-do-
1	Asphaltic Kettle					-do-

July 1982

Annex V-A-L
Sheet 2 of 2

PROPERTY NO.	NOMENCLATURE	CAPACITY	MANUFACTURER'S MAKE	MODEL	SERIAL NO.	REMARKS SERVICEABILITY
W-1	Pneumatic Thobble		Watanabe	DA120	524324	Idle
D7E	Tractor Direct		Caterpillar	D7E	47[illegible]-5018	Under Repair
D7E	Bulldozer		-do-	-do-	11[illegible]	Operational
D7E	-do-		-do-	-do-	120	Under Repair
RG # 5	Roadgrader		Komatsu			Operational
RG # 2	-do-		Caterpillar			Idle
PL # 5	Payloader	2 cu.yrds.	Case			Under Repair
PL # 6	Payloader	4.5 cu.m.	Michigan	TLM175-III		Operational
PL # 7	Payloader	2 cu.yrds.	-do-	TCM-II		Under Repair
VR # 1	Vibrating Roller	5.2 M.T.	Dynapac	CK-42	3324981	Operational
M-1	Concrete Mixer	1 bag				-do-
TPL-9	Tournapull	12 cu.yrds.	Super Clet	HBID	44954	Under Repair
1	Sheep Foot	Double Drum				Operational
DT-210	Dump Truck	5 cu.m.	Isuzu			Under Repair
CC	Crane	35 ton	P & H			Idle
DH	Double Acting Diesel Hammer	12 ton	Delmag			Under Repair
CM-101	Transit Mixer	3.5 cu.m.	Isuzu	TP-60	1354396	Operational
CM-104	-do-	-do-	Nissan			-do-
VS	Vibratory Screed	2.5 HP	Briggs & Straton			-do-

CONTRACTOR: PROVINCIAL ENGINEERS OFFICE, CAM. SUR

BIDDING DATE: NEGOTIATED CONTRACT

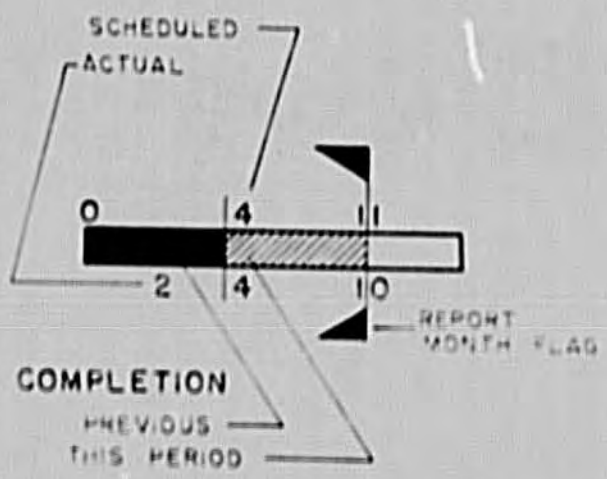
OFFICIAL STARTING DATE: MARCH 15, 1982

ORIGINAL COMPLETION DATE: JULY 22, 1982

APPROVED REVISED COMPLETION DATE

	ITEM	% CONTRACT VALUE	% ITEM COMPLETE	% PROJECT COMPLETE			
1	GENERAL						
2	BASE COURSE	8.34	23.50	1.96			
3	BITUMINOUS SURFACE PAVEMENT	77.10	90.86	70.05			
4	PORTLAND CEMENT CONCRETE PAVEMENT	9.70	0	0			
5	STRUCTURES	1.26	0	0			
6	INCIDENTAL CONSTRUCTION	3.60	11.67	0.42			
	TOTAL	100	72.42				

PROGRESS:



ACTUAL	72.42			
SCHEDULED	99.40			

55

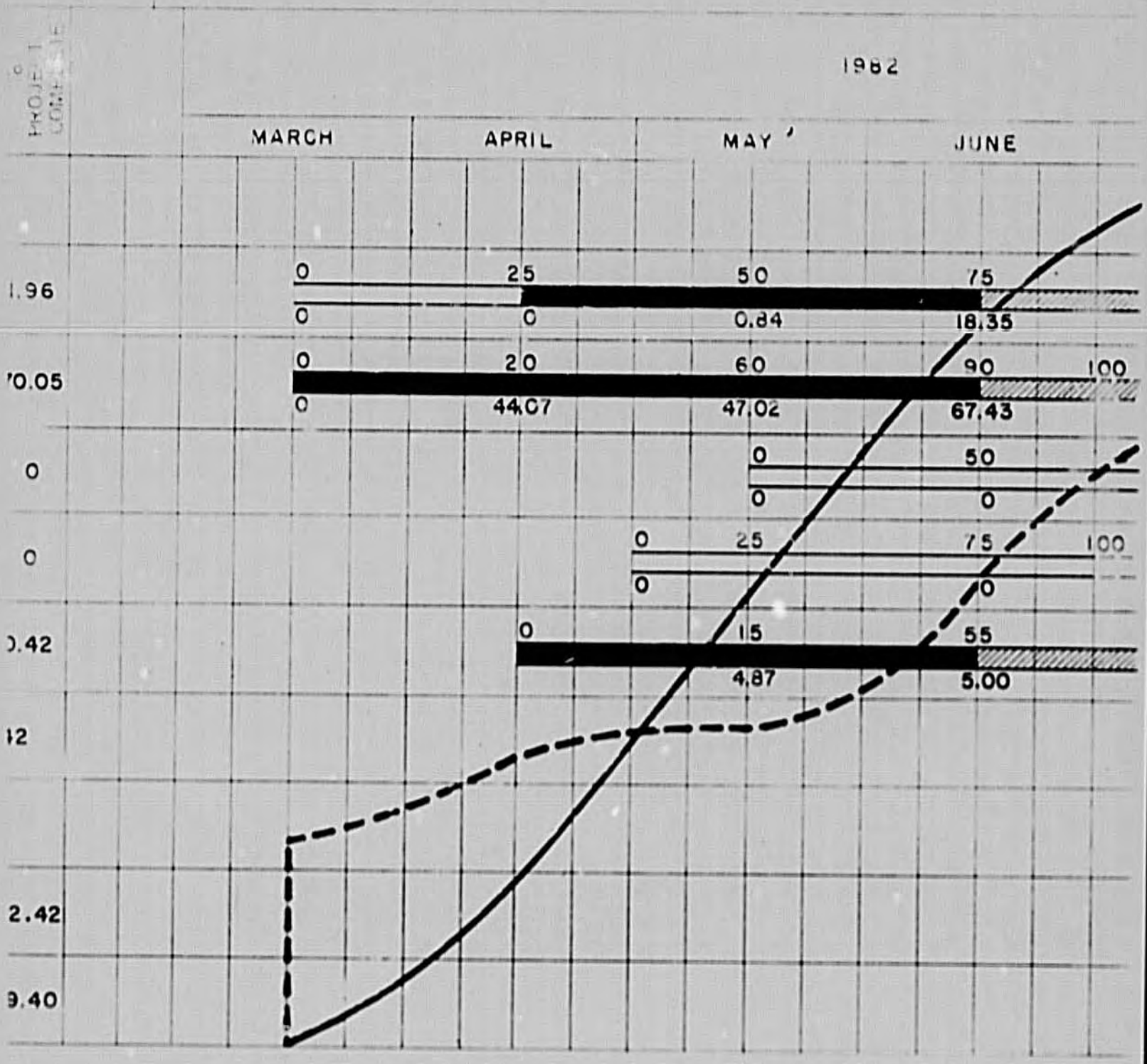
LEGEND: SCHEDULED
ACTUAL

BICOL SECONDARY AND FEEDER ROADS PROJECT
BICOL RIVER BASIN DEVELOPMENT PROGRAM

PACKAGE - 4

COMPLETION OF SUB-PROJECT NO.9, UNDER CONTRACT VI-A & VI-B
STA. 0+000 -- 4+495, NABUA & BAAO, CAMARINES SUR

PROGRAM OF WORK & PROGRESS CHART



PREPARED BY: GONZALO G. CRUZ
RESIDENT ENGINEER

CONCURRED BY: PEDRO CORDIZ
PROJECT ENGINEER

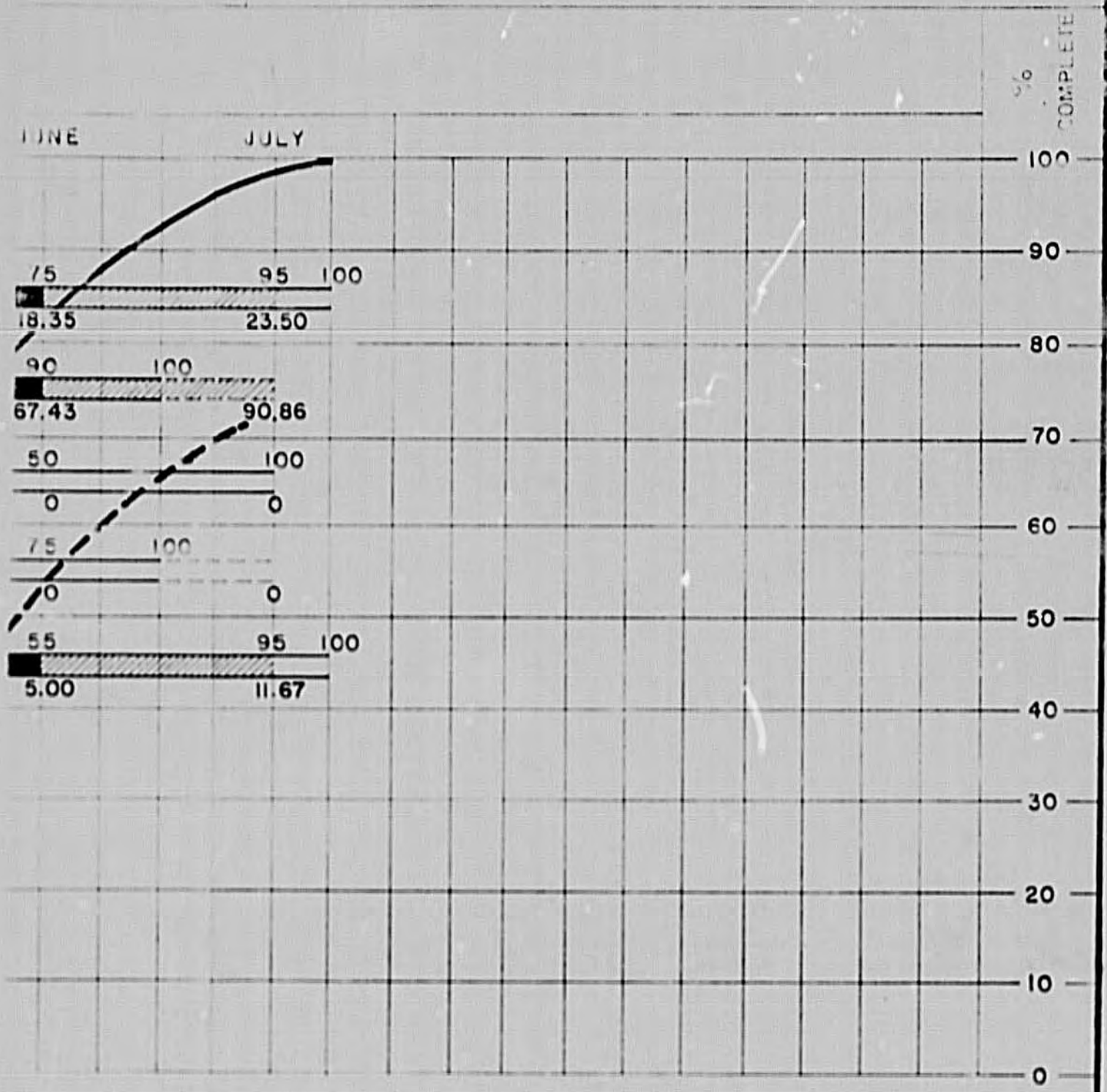
VI-B

T

ST CONTRACTED AMOUNT: ₱1,198,485.00

APPROVED REVISED CONTRACT AMOUNT

CURRENT ESTIMATED FINAL COST



ANNEX VI-A-D

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS & HIGHWAYS
M A N I L A

MONTHLY CONSTRUCTION REPORT

No. 5

July 1982

Sub-Project 9

Contract No. V1-428

NABUA-SAN AGUSTIN SECTION

Secondary Road

(Sta. 0 + 000 - Sta. 4 + 495)

CERTEZA DEVELOPMENT CORPORATION
(Consultant)

PROVINCIAL ENGINEER'S OFFICE, CAM. SUR
(Contractor)

July 1982

PROGRESS REPORT NO. 5
July 1982

PROJECT : NABUA-SAN AGUSTIN, SECONDARY ROADS
CONTRACT VI-A&B (STA. 0+000 to STA. 4+495.68)
SUB-PROJECT NO. 9

I-a. GENERAL

This report covers the progress of construction on the Secondary Road (Nabua-San Agustin Section) for the coverage period from June 21 to July 20, 1982. The activities of the contractor consisted mainly of the asphalt surfacing from Sta. 2+000 to Sta. 3+880, grouted riprap works and completing the shoulders where surfacing of roadway has been completed.

b. PROGRESS

Section A (km. 0+000 to km. 2+000)

Attempt to work on the paving of the spillway at Sta. 1+600 was started by grading to the subbase elevation, but with the coming of typhoon "Emang" the spillway was again filled with muddy soil and debris.

Section B (km. 2+000 to km. 4+495)

The following items accomplished to date by the contractor (Provincial Engineer's Office, Camarines Sur):

Item 100	-	Aggregate Subbase - - - - -	220 m3
Item 200	-	Aggregate Base Course - - -	30.2 m3
Item 301(1)	-	Bituminous Prime Coat - - -	15.42 MT
Item 305(1)	-	Bituminous Seal Coat - - -	20.05 MT

Item 305(2) - Aggregate for Bituminous Seal Coat - - - - - - - - - 97.17 m3

Item 314(1) - Aggregate for Bituminous Surface Treatment - - - - 347.04 m3

Item 500 - Grouted Riprap - - - - - 30.20 m3

c. WEATHER

Refer to Weather and Workability Report, Annex VI-A&B-A.

d. EQUIPMENT

Listed below are the equipment of the contractor used and seen within the project site:

1 - Tandem Road Roller - - - Operational
1 - Dump Truck - - - - - - - - Operational
1 - Stiff Body Truck - - - - Operational
2 - Asphalt Kettle - - - - - Operational

II - MATERIALS TESTING AND CONTROL

Laboratory control and field test for materials quality control undertaken during this period June 21 to July 20, 1982 are as follows:

SECONDARY ROAD

Item 314, Bituminous Surface Treatment
Grading - - - - - - - 3

Item 316, Portland Cement Concrete Pavement (F...)
Grading - - - - - - 1
Sp. Gr. - - - - - - - 1
Absorption - - - - - - 1

July 1982

COMMENTS AND RECOMMENDATIONS
(Contract WI-A&B)

Progress:

Accomplishment (Old Contract) - - - -	74.12%
Accomplishment (New Contract) - - - -	72.42%
Scheduled Accomplishment - - - - - - (New Contract)	99.40%
Slippage (New Contract) - - - - - - -	26.97% (--)
Overall Accomplishment - - - - - - -	92.86%

$$74.12 + (0.2588 \times 72.43) = 92.86\%$$

The continuing negative slippage is mainly due to the concentration on a single phase of work without doing anything on other items of work. From the start of contract, the contractor has concentrated on the asphalt surfacing. While other itmes of work can be simultaneously worked on the Portland Cement Concrete Paving of the spillway and construction of the culverts were left untouched. Furthermore, the weather was not as favorable as asphalting works necessitates it to be, thus the negative slippage increased at time of contract elapsed.

Certified correct as verified in the field.

JOSE L. VILLANUEVA
Project Manager

PROJECT : NABUA-SAN AGUSTIN, SECONDARY & FEEDER ROADS
CONTRACT VI-A&B, SUB-PROJECT NO. 9

WEATHER AND WORKABILITY REPORT

For the period covered June 21 to July 20, 1982

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
June 21, 1982	Cloudy with isolated rainshowers	Workable	None
22	Cloudy with occ. rainshowers	-do-	-do-
23	Cloudy to rainy	Unworkable	1 day
24	Fair to cloudy with occ. rainshowers	Workable	None
25	Cloudy with occ. rainshowers	Unworkable (AM rainshower)	½ day
26	Cloudy with occ. rainshowers	Workable	None
27	Cloudy with occ. rainshowers	Unworkable	1 day
28	Cloudy with occ. rainshowers	AM Workable PM Unworkable	½ day
29	Fair	Workable	None
30	Cloudy with occ. rainshowers	-do-	-do-
July 1, 1982	Cloudy to rainy	Unworkable	1 day
2	Fair w/cloudiness	Workable	None
3	Fair w/cloudiness	-do-	-do-
4	Fair	-do-	-do-
5	Fair	-do-	-do-
6	Cloudy	-do-	-do-
7	Cloudy to rainy	Unworkable	1 day
8	Fair (A.M.) Rainy (P.M.)	-do-	½ day
9	Cloudy to rainy	-do-	1 day
10	Cloudy to rainy	-do-	1 day
11	Cloudy to rainy	-do-	1 day
12	Fair w/cloudiness	Workable	None
13	Fair w/cloudiness	-do-	-do-

July 1982

Annex VI-A&B
Sheet 2 of 2

DATE	WEATHER	REMARKS	UNWORKABLE DAYS
July 14, 1982	Typhoon "Emang" Signal No. 2	Unworkable	1 day
15	Typhoon "Emang" Signal No. 2	-do-	-do-
16	Cloudy to fair but u/flood water	-do-	-do-
17	Fair	Workable	None
18	Fair	-do-	-do-
19	Cloudy to rainy	Unworkable	1 day
20	Fair	Workable	None

TOTAL UNWORKABLE DAYS = 12½ DAYS

CERTEZA DEVELOPMENT CORPORATION
LIST OF FIELD PERSONNEL
AS OF JULY 1982

July 1982

Appendix "A"
Sheet 1 of 2

CERTEZA DEVELOPMENT CORPORATION
SPC COMPOUND, CAMPUL
A L B A Y

LIST OF CDC FIELD PERSONNEL
AS OF JULY 20, 1982

	NAME	DESIGNATION
1.	Jose E. Villanueva	Project Manager
2.	Gonzalo G. Cruz	Sr. Highway Engineer
3.	Gregorio A. Agramon	Sr. Soils/Mat'ls. Engr.
4.	Gregorio L. Amante	Sr. Qty./Cost Engineer
5.	Rodolfo Sabater	Surveyor Engineer
6.	Eleazar Regondola	Asst. Highway Engineer
7.	Edgardo de Guzman	Asst. Qty./Cost Engr.
8.	Jose Pavilla	Asst. Surveyor Engineer
9.	Bernardo Turingan	Earthwork/Pav't. Engr.
10.	Cenon Marpuri	-do-
11.	Porfirio delos Santos	Bridge/Drainage Engr.
12.	Rolyn Soria	-do-
13.	Fidel Iturrica	Laboratory Technician
14.	Jose Montalbo	-do-
15.	Albert Daza	Draftsman
16.	Pablo S. dela Pena	Administrative Officer
17.	Avelino G. Bactol	Asst. Adm. Officer
18.	Cesar Ramos	Project Accountant
19.	Aracelli R. Aumentado	Secretary/Typist
20.	Paula Damaga	File Clerk
21.	Eduardo Samaristo	Janitor
22.	Cirilo Tiamson	Driver
23.	Catalino Seulen	-do-
24.	Rufino Manayon	-do-
25.	Arturo Rodriguez	-do-
26.	Bernardo Serterio	Security Guard
27.	Jose Nabini	-do-
28.	Abelardo Repades	-do-

July 1982

Appendix [illegible]
Sheet 1 of 1

BICOL RIVER BASIN DEVELOPMENT PROGRAM
SAN JOSE, PILI, CAM. SUR

EMPLOYMENT GENERATION SURVEY (SGS)

Name of Consultant : CORTEZA DEVELOPMENT CORPORATION

For the month of : JULY 1982

		ADMINISTRATIVE/ FINANCE	ENGINEERING TECHNICAL	SKILLED	UNSKILLED
Manila Based	1/	4	8	1	-
Local Hired	2/	4	7	3	1
Sub-Contracted	3/	-	-	-	-
T O T A L		8	15	4	1

1/ Includes permanent employees
2/ Employees residing within the basin area
3/ Local hired only

Submitted by :

JOSE E. VILLANUEVA
Project Manager