

**REPUBLIC OF THE PHILIPPINES**

**MINISTRY OF PUBLIC WORKS AND HIGHWAYS**

**Bicol River Basin Development Project**

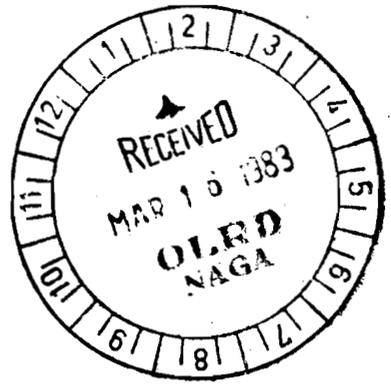
**Road Component**

**Package 4**



**CERTEZA DEVELOPMENT CORP.**

CERTEZA BUILDING  
312 Santolan Road Corner J. Abad Santos Drive  
San Juan, Metro Manila  
Tel. Nos. 78-70-71 to 73  
P. O. Box 349 Greenhills  
Cable Address: CERDECO



PROGRESS REPORT  
CONSTRUCTION OF PACKAGE IV  
DECEMBER 1982

PACKAGE IV  
CONSTRUCTION REPORT  
DECEMBER 1982

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P A G E

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

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

Contractor : SIST ENGINEER BRIGADE, P.A.

|   |              |
|---|--------------|
| Progress Report - - - - -                   | IV-1 to IV-5 |
| 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   |

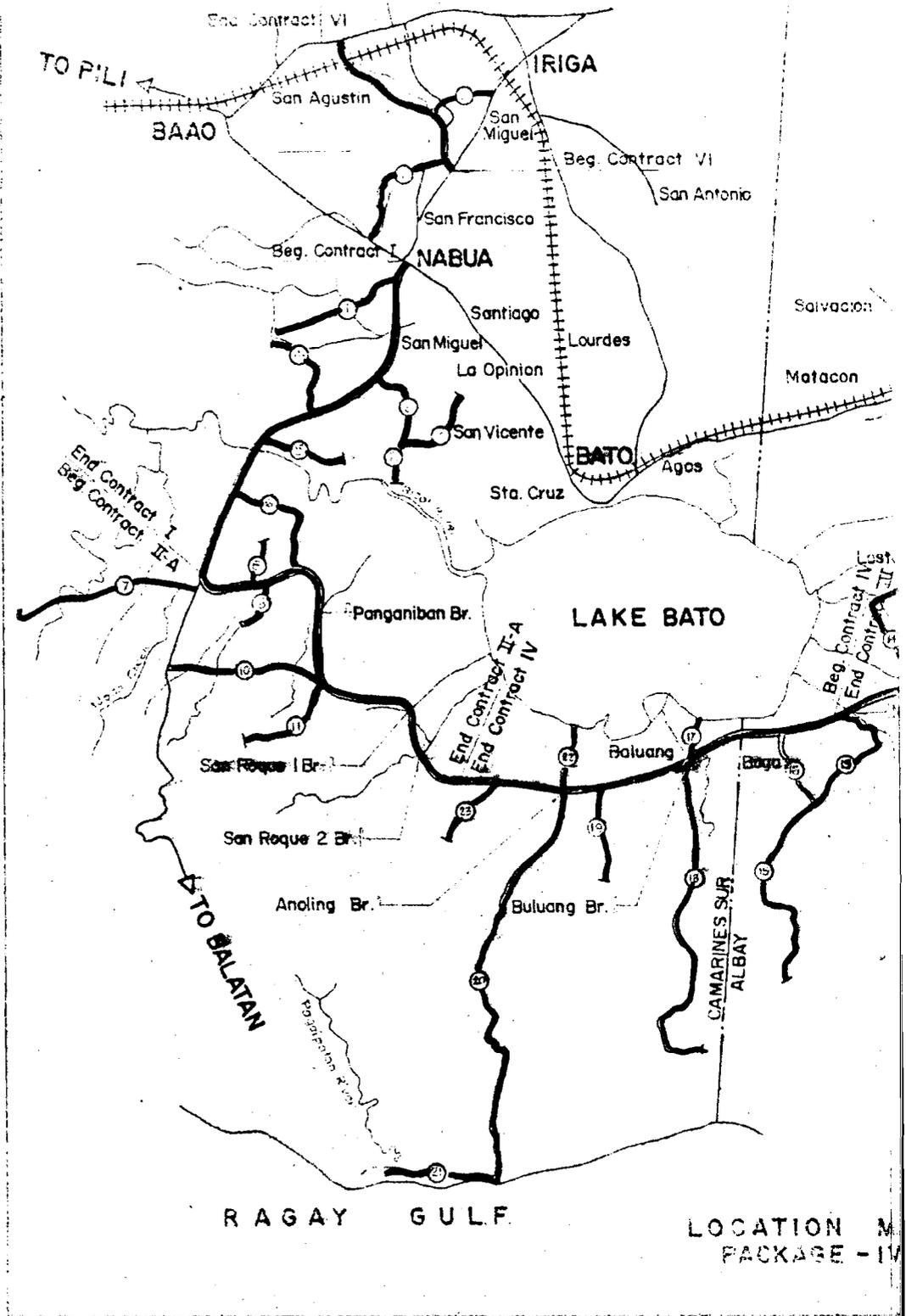
CONTRACT V-A, POLANGUI-NASISI SECTION, SUB-PROJECT NO. 14

Contractor : WILLIAM UY CONSTRUCTION, INC.

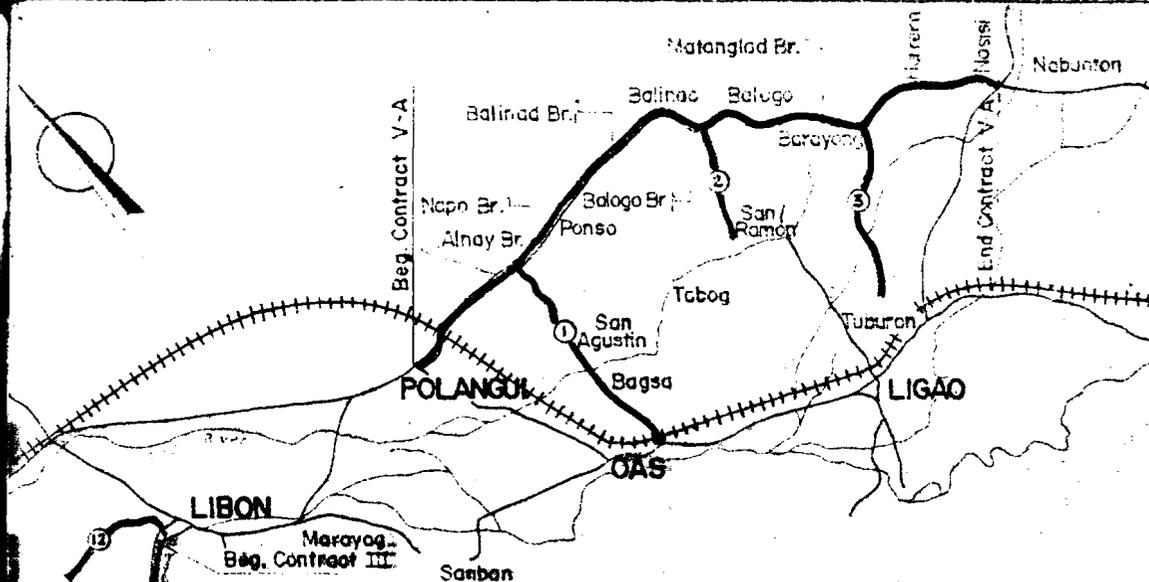
|   |                |
|---|----------------|
| Progress Report - - - - -                   | V-A-1 to V-A-5 |
| Weather & Workability Report (2 sheets) - - | Annex V-A-A    |
| Contractor's List of Personnel (1 sheet) -  | Annex V-A-B    |
| Employment Generation Survey (SS3) - - - -  | Annex V-A-B-1  |
| Contractor's List of Equipment (2 sheets) - | Annex V-A-C    |
| Program of Work and Progress Chart - - - -  | Annex V-A-D    |

APPENDIX A : List of Consultant's Field Personnel 1 sheet

B : Employment Generation Survey (SS3)



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**PACKAGE IV**

|   |                  |
|---|------------------|
| <b>CONTRACT I, NABUA-TANDAAY SECTION, SUBPROJECT II</b>               |                  |
| Secondary Road  | 8.78 km.         |
| Feeder Roads 1,2,3,4,5 & 6  | 14.96 km.        |
| <b>TOTAL</b>  | <b>23.74 km.</b> |
| <b>CONTRACT II-A TANDAAY-SAN JUAN (BATO) SECTION SUBPROJECT II</b>    |                  |
| Secondary Road  | 9.42 km.         |
| Feeder Roads 7 8 9 10 & 11  | 12.14 km.        |
| <b>TOTAL</b>  | <b>21.56 km.</b> |
| <b>CONTRACT II-B BRIDGES (TANDAAY-SAN JUAN SECTION) SUBPROJECT II</b> |                  |
| Panganiban (27.20 m.),  |                  |
| San Roque 1 (24.40 m.) &  |                  |
| San Roque 2 (24.40 m.) Bridges  | 76.00 m.         |
| <b>CONTRACT III, LIBON-NUGPO SECTION, SUBPROJECT II</b>               |                  |
| Secondary Road  | 8.25 km.         |
| Feeder Roads 12,13,14 & 15  | 13.38 km.        |
| <b>TOTAL</b>  | <b>23.63 km.</b> |
| Paklas 1 (29.20 m.), Paklas 2 (29.20 m.),                             |                  |
| Paklas 3 (29.20 m.), Lastaca (25.20 m.),                              |                  |
| & Nugpo (29.20 m) Bridges   | 142.00 m.        |
| <b>CONTRACT IV, NUGPO-SAN JUAN SECTION, SUBPROJECT II</b>             |                  |
| Secondary Road  | 8.33 km.         |
| Feeder Roads 16,17,18,19,20,  |                  |
| 21,22,23  | 29.71 km.        |
| <b>TOTAL</b>  | <b>38.04 km.</b> |
| Buluang (29.20 m.) &  |                  |
| Analing (31.20 m.)  | 60.40 m.         |
| <b>CONTRACT V-A, POLANGUI-NASISI SECTION, SUBPROJECT 14</b>           |                  |
| Secondary Road  | 12.86 km.        |
| Feeder Roads 1,2 & 3  | 9.39 km.         |
| <b>TOTAL</b>  | <b>22.25 km.</b> |
| <b>CONTRACT V-B, BRIDGES (POLANGUI-NASISI SECTION) SUBPROJECT 14</b>  |                  |
| Alnay (12.40 m.) Napo (10.40 m.)                                      |                  |
| Balinad (22.40 m.) Balogo (29.20 m.)                                  |                  |
| Matanglad (24.40 m.) Bridges  | 98.80 m.         |
| <b>CONTRACT VI-A NABUA-SAN AGUSTIN SECTION SUBPROJECT 9</b>           |                  |
| Secondary Road (Sta. 0+000-2+000)                                     | 2.00 km.         |
| <b>CONTRACT VI-B, NABUA-SAN AGUSTIN SECTION SUBPROJECT 9</b>          |                  |
| Secondary Road (Sta. 2+000-4+49500)                                   | 2.50 m.          |
| <b>CONTRACT VI-C, NABUA-SAN AGUSTIN SECTION SUBPROJECT 9</b>          |                  |
| Feeder Roads 1 & 2  | 4.14 km.         |
| <b>TOTAL</b>  | <b>8.64 km.</b>  |

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

MONTHLY CONSTRUCTION REPORT

COMPLETED PROJECTS, PACKAGE IV  
AS OF DECEMBER 20, 1982

CONTRACT I - NABUA-TANDAAY  
SECONDARY & FEEDER ROADS

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

CONTRACT II-B - BRIDGES  
TANDAAY-SAN JUAN

CONTRACT III - LIBON-DUGPO  
SECONDARY & FEEDER ROADS

CONTRACT V-B - BRIDGES  
POLANGUI-NASISI SECTION

CONTRACT VI-A, B & C- NABUA-SAN AGUSTIN  
SECONDARY & FEEDER ROADS

V

December 1982

COMPLETED PROJECTS, PACKAGE IV  
AS OF DECEMBER 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 - - - - - ₱15,159,660.94

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 III, LIBON-NUGPO, SECONDARY & FEEDER ROADS

Contractor - - - - - V.P. Eusebio Constr., Inc.  
Original Cost - - - - - ₱20,056,428.00\*  
Final Cost - - - - - ₱26,976,472.00\*\*  
Turned Over - - - - - September 7, 1982

\* Per contract amount Dimson (Mla.), Inc.

\*\* Sum total of amount paid to Dimson (Mla.), Inc. and  
amount paid to V.P. Eusebio Constr., Inc.

December 1982

CONTRACT V-B, BRIDGES, POLANGUI-NASISI SECTION

Contractor (4 contracts) - - - Four Local Contractors  
Completed - - - - - March 4, 1981  
Original Contract Cost - - - - ₱1,428,680.00  
Final Contract Cost - - - - - ₱2,061,542.73\*  
Final Inspection - - - - - March 26, 1981

\* Total of payments under the old and new contracts.

CONTRACT VI-A, NABUA-SAN AGUSTIN, SECONDARY ROAD  
(km. 0+000 to 2+000)

Contractor - - - - - P.E.O., Camarines Sur  
Substantially Completed - - - September 2, 1982  
Original Contract Cost - - - - ₱1,968,667.71  
Final Contract Cost - - - - - ₱1,852,902.57  
Turned Over - - - - - September 2, 1982

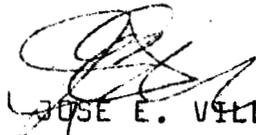
CONTRACT VI-B, NABUA-SAN AGUSTIN, SECONDARY ROAD  
(km. 2+000 to 4+495.68)

Contractor - - - - - P.E.O., Camarines Sur  
Substantially Completed - - - September 2, 1982  
Original Contract Cost - - - - ₱1,996,619.79  
Final Contract Cost - - - - - ₱2,285,143.66  
Turned Over - - - - - September 2, 1982

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

Contractor - - - - - J.M. Hernandez & Sons, Inc.  
Completed - - - - - May 25, 1980  
Original Contract Cost - - - - ₱1,978,640.00  
Final Contract Cost - - - - - ₱1,929,436.51  
Turned Over - - - - - December 12, 1980

Certified correct.

  
JOSE E. VILLANUEVA  
Project Manager

CPP-2

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

MONTHLY CONSTRUCTION REPORT

No. 16

December 1982

Sub-Project 11

Contract No. 1V

NUGPO-SAN JUAN SECTION

Secondary Road  
and  
Feeder Roads

BUGA-PINAGBARILAN NO. 16  
DIVISORIO-HALONGHONG-MACABUGOS NO. 18  
GUYODAN-PAYAK NO. 20  
PAYAK-PAGATPATAN NO. 21  
GUYODAN-LAKE BATO NO. 22

CERTEZA DEVELOPMENT CORPORATION  
(Consultant)

SIST ENGINEER BRIGADE, P.A.  
(Contractor)

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December 1982

PROGRESS REPORT NO. 16

December 1982

PROJECT : CONTRACT IV, NUGPO-SAN JUAN SECTION  
SECONDARY AND FEEDER ROADS, SUB-PROJECT NO. 11

I-a. GENERAL

This report covers the activities and accomplishment of the 51st Engineer Brigade during the coverage period from November 21 to December 20, 1982. Activities consisted of hauling, spreading and compaction of Item 108 on Feeder Road Nos. 16, 20 and 21 and also the concrete paving and construction of apron (Item 500) of the spillway on Feeder Road No. 21.

b. PROGRESS

Accomplishment to date are as follows:

A. Earthworks

1. Item 105(3), Roadway & Drainage Excavation
  - a. 4,530 m<sup>3</sup> or 100% completion on Feeder Road No. 16
  - b. 38,861 m<sup>3</sup> or 67.66% completion on Feeder Road No. 18
  - c. 2,864 m<sup>3</sup> or 100% completion on Feeder Road No. 20
  - d. 3,750 m<sup>3</sup> or 100% completion on Feeder Road No. 21
  
2. Item 105(5), Roadway and Drainage Excavation (Surplus)
  - a. 10,900 m<sup>3</sup> or 100% completion on Feeder Road No. 16

- b. 43,968 m<sup>3</sup> or 46.4% completion on Feeder Road No. 18
- c. 5,810 m<sup>3</sup> or 100% completion on Feeder Road No. 20
- d. 2,630 m<sup>3</sup> or 100% completion on Feeder Road No. 21

B. Subbase

1. Item 108, Aggregate Subbase

- a. 831 m<sup>3</sup> or 17.13% completion on Secondary Road
- b. 2,150 m<sup>3</sup> or 82.69% completion on Feeder Road No. 16
- c. 630 m<sup>3</sup> or 6.00% completion on Feeder Road no. 18
- d. 9,770 m<sup>3</sup> or 100% completion on Feeder Road No. 20
- e. 4,219 m<sup>3</sup> or 95.88% completion on Feeder Road No. 21

C. Surfacing and Pavement

1. Item 316, Portland Cement Conc. Pavement

- a. 550.5 m<sup>2</sup> or 100% completion on Feeder Road No. 21

D. Structures

1. Item 413, Reinforced Concrete Pipe Culverts

- a. 8.00 L.M. or 13.74% completion on Feeder Road No. 18
- b. 47.00 L.M. or 100% completion on Feeder Road No. 20
- c. 29.00 L.M. or 100% completion on Feeder Road No. 21

December 1982

2. Item 405 and 406, Reinforced Concrete Box Culverts

- a. One Unit - 3.00 x 2.10 R.C. Box Culvert at km. 10+355 on Feeder Road No. 21 completed.

E. Incidental Construction

1. Item 500, Grouted Riprap

- a. 535 m3 or 100% completion on Secondary Road
- b. 0% on Feeder Road No. 18
- c. 1,600 m3 or 98.74% completion on Feeder Road No. 20
- d. 550 m3 or 98.74% completion on Feeder Road No. 21

II - MATERIALS TESTING AND CONTROL

Laboratory control and field test for materials control undertaken during this period from November 21 to December 20, 1982 are as follows:

1. Feeder Road No. 16

Item 108, Aggregate Subbase

- a. F.D.T. - - - - - 7

2. Feeder Road No. 20

Item 108, Aggregate Subbase

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

3. Feeder Road No. 21

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Item 108, Aggregate Subbase

a. F.D.T. - - - - - 13

4. Feeder Road No. 21 (Spillway)

Item 108, Aggregate Subbase

a. F.D.T. - - - - - 2

December 1982

COMMENTS AND RECOMMENDATIONS

(Contract IV)

Progress:

|   |        |
|---|--------|
| Accomplishment (Old Contract) - - - - -           | 70.06% |
| Accomplishment (New Contract) - - - - -           | 55.24% |
| Scheduled Accomplishment (New Contract) - - - - - | 95.00% |
| Slippage (Negative) - - - - -                     | 39.78% |
| Overall Accomplishment - - - - -                  | 86.60% |
| 70.06 + (0.2994 x 55.24)                          |        |

Activities of the 51st Engineer Brigade were concentrated on Feeder Road Nos. 20 and 21. One is for security reason and the other is to complete all the remaining works on these two Feeder Roads to meet the schedule for joint preliminary inspection which was postponed from December 18 to 27, 1982. No accomplishment was made on Feeder Road No. 18 for lack of men to secure the site since security could be provided only on Feeder Road Nos. 20 and 21.

Certified correct as verified in the field.

  
JOSE E. VILLANUEVA  
Project Manager

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PROJECT : NUGPO-SAN JUAN, SECONDARY AND FEEDER ROADS  
CONTRACT IV, SUB-PROJECT NO. 11

WEATHER AND WORKABILITY REPORT

For the period covered from Nov. 21 to Dec. 20, 1982

| <u>D A T E</u> | <u>WEATHER</u>                                       | <u>REMARKS</u> | <u>UNWORKABLE DAYS</u> |
|----------------|--|----------------|------------------------|
| Nov. 21, 1982  | Fair   | Workable       | None                   |
| 22             | Fair   | -do-           | -do-                   |
| 23             | Fair   | -do-           | -do-                   |
| 24             | Fair with iso-<br>lated rain in the<br>afternoon     | -do-           | -do-                   |
| 25             | Fair with rain-<br>showers in the<br>afternoon       | -do-           | -do-                   |
| 26             | Fair with isola-<br>ted rain in the<br>morning       | -do-           | -do-                   |
| 27             | Fair   | -do-           | -do-                   |
| 28             | Fair   | -do-           | -do-                   |
| 29             | Fair   | -do-           | -do-                   |
| 30             | Fair   | -do-           | -do-                   |
| Dec. 1, 1982   | Fair   | -do-           | -do-                   |
| 2              | Fair   | -do-           | -do-                   |
| 3              | Fair   | -do-           | -do-                   |
| 4              | Fair   | -do-           | -do-                   |
| 5              | Fair   | -do-           | -do-                   |
| 6              | Fair   | -do-           | -do-                   |
| 7              | Rainy to stormy<br>(Signal No. 2<br>Typhoon "Aning") | Unworkable     | 1 day                  |
| 8              | Stormy (Signal<br>No. 2, Typhoon<br>"Bidang")        | -do-           | 1 day                  |
| 9              | Fair   | Workable       | None                   |
| 10             | Fair   | -do-           | -do-                   |
| 11             | Fair   | -do-           | -do-                   |

December 1982

Annex IV-A  
Sheet 2 of 2

| <u>D A T E</u> | <u>WEATHER</u>                                   | <u>REMARKS</u> | <u>UNWORKABLE DAYS</u> |
|----------------|--|----------------|------------------------|
| Dec. 12, 1982  | Fair with iso-<br>lated rain in<br>the afternoon | Workable       | None                   |
| 13             | Fair   | -do-           | -do-                   |
| 14             | Fair   | -do-           | -do-                   |
| 15             | Rainy  | Unworkable     | 1 day                  |
| 16             | Fair   | Workable       | None                   |
| 17             | Fair   | -do-           | -do-                   |
| 18             | Fair   | -do-           | -do-                   |
| 19             | Fair with inter-<br>mittent rains                | -do-           | -do-                   |
| 20             | Fair   | -do-           | -do-                   |

TOTAL UNWORKABLE DAYS = 3 DAYS

December 1982

Annex IV-B  
Sheet 1 of 3

SIST ENGINEER BRIGADE, P.A.  
San Juan-Nugpo Section  
Contract IV

LIST OF EQUIPMENT  
As of December 20, 1982

| PROPERTY NO. | NOMENCLATURE         | CAPACITY | MANUFACTURER'S |        |            | REMARKS        |
|--------------|----------------------|----------|----------------|--------|------------|----------------|
|              |                      |          | MAKE           | MODEL  | SERIAL #   | 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/Chair        | TL-645 | 3D-4355    | Operational    |
| 6            | -do-                 |          | -do-           | 44645  | 3D-06779   | Breakdown      |
| 7            | Grader Road MTZD     |          | Wabco          | 4401HA | 4A-134339  | Operational    |
| 8            | Road Roller          |          | Huber          |        | HJ-3414510 | Breakdown      |
| 9            | TRK Tractor 5 ton    |          | Cont           | M62K   | 84203646   | Operational    |
| 10           | TRK Creeker 5 ton    |          | Kaifer         |        | 9215-1105  | -do-           |
| 11           | Conc. Mixer 2 bagger |          | Briggs         | 190452 | 7037004    | Breakdown      |
| 12           | TRK Lowbed 25 ton    |          |                |        |            | Operational    |
| 13           | Water Pump           |          | Wisconsin      | J42J   | 467871     | -do-           |
| 14           | Generator Set        |          | G.M. Pioneer   |        |            | -do-           |
| 15           | Road Grader MTZD     |          | Wabco          | 4401HA |            | Breakdown      |

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Annex 10-B  
Sheet 2 of 3

| PROPERTY NO. | NOMENCLATURE                           | CAPACITY  | MANUFACTURER'S |         |            | REMARKS SERVICEABILITY |
|--------------|--|-----------|----------------|---------|------------|------------------------|
|              |  |           | MAKE           | MODEL   | SERIAL #   |                        |
| 16           | Stiff Body Truck<br>10 wheelers        |           | Isuzu          |         |            | Operational            |
| 17           | -do-                                   |           | -do-           |         |            | -do-                   |
| 18           | -do-                                   |           | -do-           |         |            | -do-                   |
| 19           | -do-                                   |           | -do-           |         |            | -do-                   |
| 20           | Dump Truck                             |           | Fuso           |         |            | -do-                   |
| 21           | TRK Utility $\frac{1}{2}$ ton<br>4 x 4 |           | Mini Cruiser   | RJ2B    | 12RM-41634 | -do-                   |
| 22           | -do-                                   |           | -do-           | -do-    | 12RM-43113 | -do-                   |
| 23           | -do-                                   |           | KAISER         | CJ36    | 4J41015    | -do-                   |
| 24           | TRK Dump $5\frac{1}{2}$ ton            | 2.5 cu.m. | IHC            | 1600    | BG265      | Breakdown              |
| 25           | TRK Dump $5\frac{1}{2}$ ton            | 1.5 cu.m. | Toyota         | DA101LD | 2D-6494396 | -do-                   |
| 26           | TRK L/C $3/4$ ton                      |           | -do-           |         | F244200    | Operational            |
| 27           | TRK Tank Flusher                       |           | IHC            | 1800    | 562171     | Breakdown              |
| 28           | TRK Water Tank                         |           | Med West       | 62      |            | Operational            |
| 29           | TRK Tank Fuel $2\frac{1}{2}$ ton       |           | IHC            | 1700    | 989272     | -do-                   |
| 30           | Battery Charger                        |           | Clinton        | 4161320 | 55008178   | -do-                   |
| 31           | TRK Dump $2\frac{1}{2}$ ton 6 x 6      |           | White          | M34A2   | 3903703    | -do-                   |
| 32           | -do-                                   |           | -do-           | -do-    | 3907892    | -do-                   |
| 33           | -do-                                   |           | -do-           | -do-    | 3907172    | -do-                   |
| 34           | -do-                                   |           | -do-           | -do-    | 3908715    | -do-                   |
| 35           | Tractor Dozer 200 HP                   |           | Caterpillar    | D7G     | 62200112   | -do-                   |

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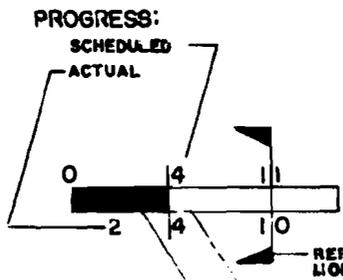
Annex IV-B  
Sheet 3 of 3

| PROPERTY NO. | NOMENCLATURE                 | CAPACITY | MANUFACTURER'S |       |          | REMARKS SERVICEABILITY |
|--------------|------------------------------|----------|----------------|-------|----------|------------------------|
|              |                              |          | MAKE           | MODEL | SERIAL # |                        |
| 36           | Tractor Dozer 200 HP         |          | Caterpillar    | D7G   | 62Z00240 | Operational            |
| 37           | -do-                         |          | -do-           | -do-  | 62Z00141 | -do-                   |
| 38           | Scoop Loader 130 HP          |          | -do-           | 950   | 78P59790 | -do-                   |
| 39           | TRK Dump Truck               |          | Isuzu          |       |          | -do-                   |
| 40           | -do-                         |          | -do-           |       |          | -do-                   |
| 41           | -do-                         |          | -do-           |       |          | -do-                   |
| 42           | Stiff Body Truck, 6 wheelers |          | Leyland        |       |          | -do-                   |
| 43           | -do-                         |          | -do-           |       |          | -do-                   |
| 44           | -do-                         |          | -do-           |       |          | -do-                   |

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|  |                             |
|--|-----------------------------|
| CONTRACTOR: 51ST ENGINEER BRIGADE, AFP             | BICO<br>BI<br>SUB-PR<br>PRO |
| GIDDING DATE: NEGOTIATED CONTRACT                  |                             |
| OFFICIAL STARTING DATE: SEPT. 1, 1981              |                             |
| ORIGINAL COMPLETION DATE: APRIL 28, 1982           |                             |
| APPROVED REVISED COMPLETION DATE: FEBRUARY 9, 1983 |                             |
| PROBABLE COMPLETION DATE                           |                             |

| ITEM                        | % CONTRACT VALUE | % ITEM COMPLETE | % PROJECT COMPLETE | 1982 |    |    |
|-----------------------------|------------------|-----------------|--------------------|------|----|----|
|                             |                  |                 |                    | 0    | 30 | 60 |
| 1 GENERAL                   | 3.09             | 100             | 3.09               | 0    | 50 | 80 |
| 2 EARTHWORK                 | 50.09            | 55.14           | 27.62              | 0    | 2  | 6  |
| 3 AGGREGATE SUB-DASE        | 28.66            | 53.59           | 15.36              | 0    |    | 4  |
| 4 SURFACE COURSE & PAVEMENT | 1.25             | 58.99           | 0.74               |      |    |    |
| 5 STRUCTURES                | 8.93             | 30.23           | 2.70               | 0    | 2  | 4  |
| 6 INCIDENTAL CONSTRUCTION   | 7.98             | 71.80           | 5.73               | 0    | 2  | 6  |
| TOTAL                       | 100              | 55.24           |                    |      |    |    |



|           |       |
|-----------|-------|
| ACTUAL    | 55.24 |
| SCHEDULED | 95.02 |

COMPLETION:  
PREVIOUS →  
THIS PERIOD →

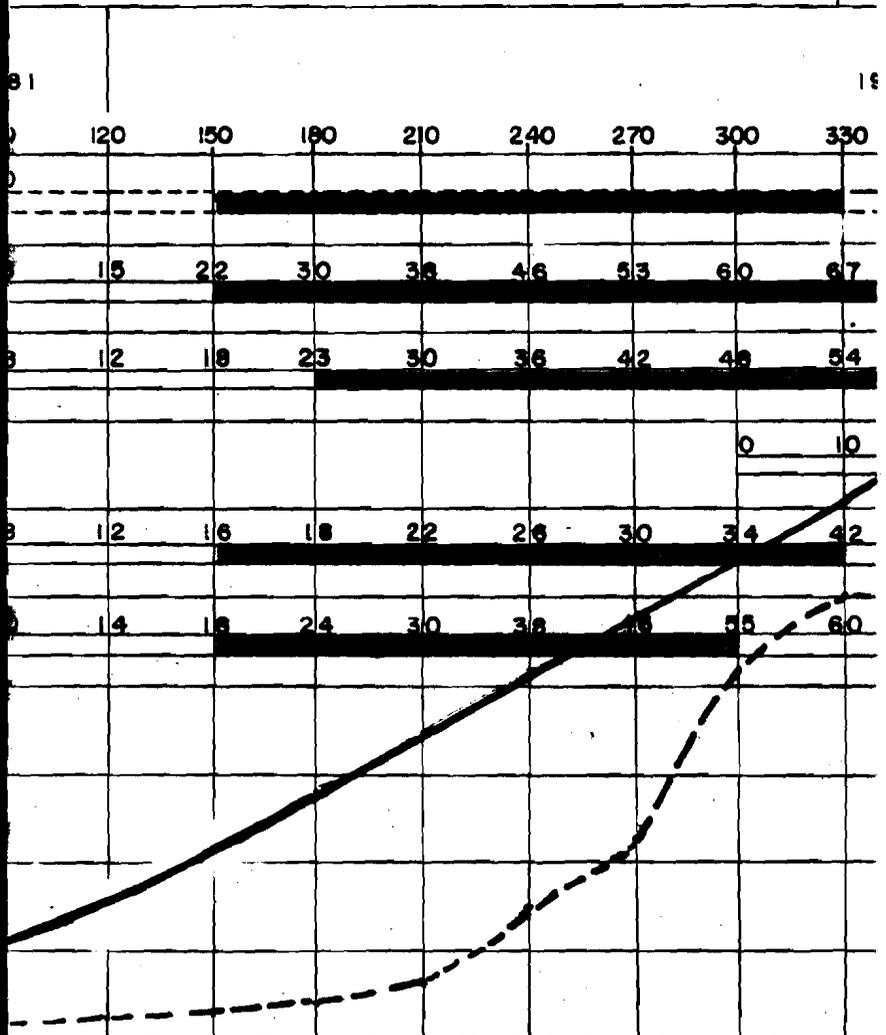
———— SCHEDULED  
- - - - - ACTUAL

NOTE:  
REVI

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SECONDARY AND FEEDER ROADS PROJECT  
 COLOR RIVER BASIN DEVELOPMENT PROGRAM  
 PACKAGE 4  
 PROJECT NO. II, CONTRACT IV, NUGPO — SAN JUAN SECTION  
 PROGRAM OF WORK AND PROGRESS CHART

MC  
 PF  
 NE  
 AF  
 CU



REVISED AS OF DECEMBER 20 PER CHANGE ORDER NOS. 1 & 2

12

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MONTHLY PROGRESS REPORT AS OF:

DECEMBER 20, 1982

PREPARED BY:

GONZALO G. CRUZ

CONCURRED BY:

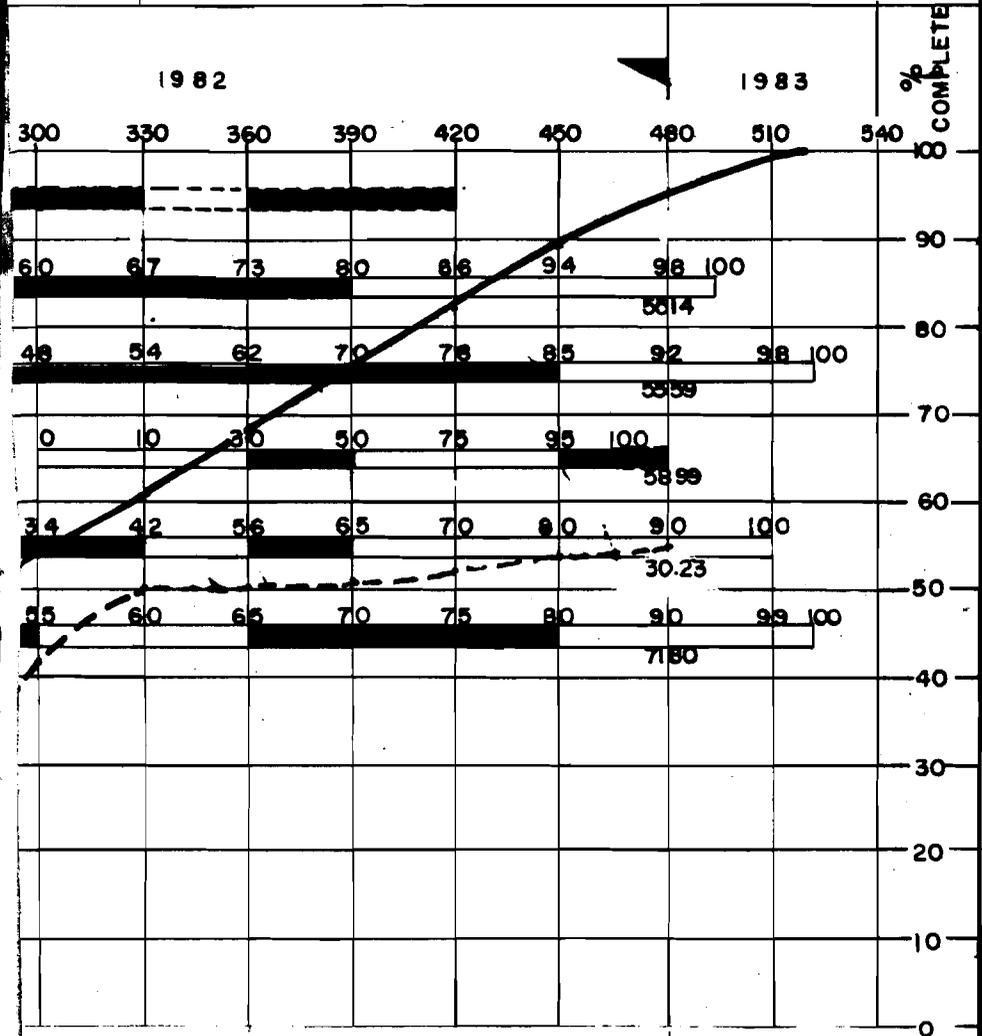
LT. COL. OSCAR A. SALVANERA

NET CONTRACT BID AMOUNT

8,752,700.00

APPROVED REVISED CONTRACT AMOUNT:

CURRENT ESTIMATED FINAL COST:



NOS. 1 & 2

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12

13

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

MONTHLY CONSTRUCTION REPORT

No. 18

December 1982

Sub-Project 14

Contract No. V-A

POLANGUI-NASISI SECTION

Secondary Road  
and  
Feeder Roads

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

CERTEZA DEVELOPMENT CORPORATION  
(Consultant)

WILLIAM UY CONSTRUCTION, INC.  
(Contractor)

December 1982

PROGRESS REPORT NO. 18

December 1982

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

I-a. GENERAL

This monthly progress report covers the activities and accomplishment on the Polangui-Nasisi, Secondary and Feeder Roads for the coverage period from November 21 to December 20, 1982. The activities consist mainly of shouldering with aggregate subbase, base works on Feeder Road No. 1, asphalt surfacing, concrete paving, restoration and construction of slope protection with grouted riprap.

b. PROGRESS

Item 108, Aggregate Subbase

Placing of Aggregate Subbase for shoulders on concrete paved roadway was progressively continued. Also correction as to elevation and thickness along the Feeder Road No. 1 was continued prior to placing of Aggregate Base Course.

Item 200, Aggregate Base Course

Placing, spreading and compacting of Aggregate Base Course was continued from Sta. 4+660 towards the end of Feeder Road No. 1 and is expected to be completed soon.

Item 301(1), 305(1) & (2), 314(1) & (2),  
Bituminous Surface Treatment

Completed with Single Bituminous Surface

December 1982

Treatment (Full Road Width) are as follows:

|                                |       |                 |
|--------------------------------|-------|-----------------|
| Sta. 3+661.20 to Sta. 5+185.30 | =     | 1,524.10        |
| Sta. 5+207.70 to Sta. 6+723.40 | =     | 1,515.70        |
| Sta. 6+752.60 to Sta. 9+408.10 | =     | 2,655.50        |
| Sta. 9+432.50 to Sta. 12+800   | =     | <u>3,367.50</u> |
| TOTAL (FULL WIDTH)             | - - - | 9,062.80        |

Including the corresponding widening along super-elevated horizontal curves, the above length leaves only the junction to the Ligao-Tabaco Road still to be completed, which is approximately 64 L.M.

However, on Feeder Road No. 1, approximately 1.80 km. of 4.00 m roadway is still to be completed with SBST. The contractor is optimistically hopeful to complete this before the expiry date (January 10, 1983).

Item 316, Portland Cement Concrete Pavement

Concrete paving of the spillway in Feeder Road No. 3 and the stretch from Sta. 0+000 to Sta. 1+169.72 (As per Change Order No. 3) in the Secondary Road have been completed as has been reported. Concrete paving as per Change Order No. 4 has been going on and to date, the accomplishment is as follows:

|                                      |         |               |
|--------------------------------------|---------|---------------|
| Sta. 1+169.72 to Sta. 2+200.80 (R/L) | =       | 1,031.08      |
| Sta. 2+213.20 to Sta. 2+942.50 (R/L) | =       | 729.39        |
| Sta. 2+944.18 to Sta. 3+650.80 (R/L) | =       | 706.62        |
| Sta. 1+169.72 to Sta. 2+200.80 (L/L) | =       | 1,031.08      |
| Sta. 2+400.00 to Sta. 2+942.50 (L/L) | =       | <u>729.39</u> |
| TOTAL (HALF-WIDTH)                   | - - - - | 4,227.38      |
| EQUIVALENT FULL WIDTH                | =       | 2,113.69      |
| TOTAL FULL WIDTH TO DATE             | =       | 3,283.41 L.M. |

V-A-2

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Structures

The percentage of completion is still 99.42, with the two (2) R.C. Pipe 1.07 m  $\phi$  available for Sta. 4+574, Feeder Road no. 1, installation of which is expected soon to complete the structures required.

Incidental Construction

Grouted Riprap slope protection for the approach embankment at the R.C. Box Culvert at Sta. 4+158, Feeder Road no. 1 has been completed. Likewise, Grouted Riprap protection of the approaches of San Agustin Bridge has been completed, thus completing also the incidental construction required.

c. WEATHER

For day to day weather, refer to 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 tests and control conducted as follows:

1. Secondary Road

Item 108, Aggregate Subbase

- a. Grading - - - - - 1

V-A-3

December 1982

- b. PL, LL & PI - - - - - 1
- c. Compaction - - - - - 1
- d. F.D.T. - - - - - 3

Item 200, Aggregate Base Coarse

- a. F.D.T. - - - - - 18

Item 314, Bituminous Surface Treatment

- a. Grading - - - - - 2

Item 316, Portland Cement Concrete Pavement

- a. Grading - - - - - 16 C.A.
- b. Grading - - - - - 10 F.A.

2. Feeder Road No. 1

Item 200, Aggregate Base Coarse

- a. Grading - - - - - 5
- b. PL, LL & PI - - - - - 4
- c. Compaction - - - - - 1

December 1982

COMMENTS AND RECOMMENDATIONS

(Contract V-A)

Progress:

|                                       |           |
|---------------------------------------|-----------|
| Accomplishment (Old Contract) - - - - | 35.69%    |
| Accomplishment (New Contract) - - - - | 94.44%    |
| Scheduled Accomplishment - - - - -    | 97.67%    |
| ( (New Contract)                      |           |
| Slippage (New Contract) - - - - -     | 3.23% (+) |
| Overall Accomplishment - - - - -      | 96.42%    |
| 35.69 + (0.6431 x 94.44)              |           |

The contractor concentrating on the Asphalt Surfacing and Concrete Pavement, their progress almost doubled their previous monthly accomplishment. However, with little remaining time and with approximately 1.80 km. of 4.00 m roadway still to be asphalted, the hope of completing the project within the expiry date is quite dim.

The contractor has to exert more effort to pursue the completion of their asphaltting work without sacrificing quality of work.

Certified correct as verified in the field.

  
JOSE E. VILLANUEVA  
Project Manager

V-A-5

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December 1982

Annex V-A-A  
Sheet 1 of 2

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

WEATHER AND WORKABILITY REPORT

For the period covering Nov. 21 to December 20, 1982

| <u>D A T E</u> | <u>WEATHER</u>                                   | <u>REMARKS</u> | <u>UNWORKABLE DAYS</u> |
|----------------|--|----------------|------------------------|
| Nov. 21, 1982  | Fair   | Workable       | None                   |
| 22             | Fair   | -do-           | -do-                   |
| 23             | Fair to cloudy                                   | -do-           | -do-                   |
| 24             | Heavy rain                                       | Unworkable     | 1 day                  |
| 25             | Fair with cloud-<br>iness                        | Workable       | None                   |
| 26             | Cloudy with rain-<br>showers                     | -do-           | -do-                   |
| 27             | Fair   | -do-           | -do-                   |
| 28             | Fair   | -do-           | -do-                   |
| 29             | Fair   | -do-           | -do-                   |
| 30             | Fair   | -do-           | -do-                   |
| Dec. 1, 1982   | Fair   | -do-           | -do-                   |
| 2              | Fair   | -do-           | -do-                   |
| 3              | Fair   | -do-           | -do-                   |
| 4              | Fair   | -do-           | -do-                   |
| 5              | Fair   | -do-           | -do-                   |
| 6              | Fair   | -do-           | -do-                   |
| 7              | Rainy (Typhoon<br>"Aning" Signal<br>No. 1 to 2)  | Unworkable     | 1 day                  |
| 8              | Rainy (Typhoon<br>"Bidang" Signal<br>No. 1 to 2) | -do-           | 1 day                  |
| 9              | Fair   | Workable       | None                   |
| 10             | Fair   | -do-           | -do-                   |
| 11             | Fair   | -do-           | -do-                   |
| 12             | Fair   | -do-           | -do-                   |
| 13             | Fair   | -do-           | -do-                   |
| 14             | Fair   | -do-           | -do-                   |
| 15             | Cloudy to rainy                                  | Unworkable     | 1 day                  |

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December 1982

Annex V-A-A  
Sheet 2 of 2

| <u>D A T E</u> | <u>WEATHER</u>            | <u>REMARKS</u> | <u>UNWORKABLE DAYS</u> |
|----------------|---------------------------|----------------|------------------------|
| Dec. 16, 1982  | Fair with cloud-<br>iness | Workable       | None                   |
| 17             | Fair                      | -do-           | -do-                   |
| 18             | Fair                      | -do-           | -do-                   |
| 19             | Fair                      | -do-           | -do-                   |
| 20             | Fair                      | -do-           | -do-                   |

TOTAL UNWORKABLE DAYS = 4 DAYS

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WILLIAM UY CONSTRUCTION CORPORATION  
Polangui-Nasisi Section

LIST OF PERSONNEL  
As of December 20, 1982

| <u>N A M E</u>              | <u>DESIGNATION</u>          |
|-----------------------------|-----------------------------|
| <u>ADMINISTRATIVE</u>       |                             |
| 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 B. Bautista       | Clerk Typist                |
| 8. Mario Austero            | Timekeeper                  |
| 9. Reynaldo Osiana          | C.E. Aide                   |
| 10. Florito B. Buen         | Materials Checker           |
| <u>SURVEY</u>               |                             |
| 1. Dioscoro Pabelonia       | Instrumentman               |
| 2. Danilo Bonacua           | Survey Aide                 |
| 3. Nelson Loriaga           | -do-                        |
| <u>MATERIALS LABORATORY</u> |                             |
| 1. Roger A. Sarmiento       | Laboratory Technician       |
| 2. Juan Villegas, Jr.       | Laboratory Aide             |
| <u>MAINTENANCE</u>          |                             |
| 1. Conrado de Leon          | Mechanic                    |
| 2. Ricardo de Leon          | Junior Mechanic             |
| 3. Rogelio Lozano           | Electrician                 |
| 4. Antonio Morales          | Helper Mechanic             |

N A M E

DESIGNATION

MAINTENANCE

- |                   |            |
|-------------------|------------|
| 5. Jose Mecayer   | Serviceman |
| 6. Rodolfo Quinto | -do-       |
| 7. Salvador Sario | -do-       |

DRIVERS/OPERATORS

- |                        |                           |
|------------------------|---------------------------|
| 1. Felix Sibay         | Roadgrader Operator       |
| 2. Federico Luna       | -do-                      |
| 3. Nestor Bonacua      | Bulldozer Operator        |
| 4. Fernando Llasos     | Payloader Operator        |
| 5. Loreto Evangelista  | -do-                      |
| 6. Benito Gamazon      | Trailer/Dump Truck Driver |
| 7. Vicente San Lorenzo | Dump Truck Driver         |
| 8. Macario Samalea     | -do-                      |
| 9. Avelino Sabularse   | -do-                      |
| 10. Salvador Atanate   | -do-                      |
| 11. Salvador Aydalla   | Service Driver            |
| 12. Nestor Bola        | -do-                      |
| 13. Silverio Penublar  | -do-                      |

LABORER/EQUIPMENT HELPER

1. Porfirio Broma
2. Efren Tibor
3. Vicente Culaway

SECURITY GUARD

1. Porfirio Señora
2. Pedro Nebres
3. Gregorio San Juan, Jr.

ASPHALT GANG - - - - - 43

PAVING CREW - - - - - 24

December 1982

Annex J-A-B-1  
Sheet 1 of 1

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

EMPLOYMENT GENERATION SURVEY (SS3)

Name of Contractor : WILLIAM UY CONSTRUCTION CORPORATION

For the month of : DECEMBER 1982

|                |           | : ADMINISTRATIVE/<br>: FINANCE | : ENGINEERING<br>: TECHNICAL | : SKILLED | : UNSKILLED |
|----------------|-----------|--------------------------------|------------------------------|-----------|-------------|
| Manila Based   | <u>1/</u> | : 1                            | : -                          | : 4       | : -         |
| Local Hired    | <u>2/</u> | : 6                            | : 3                          | : 62      | : 32        |
| Sub-Contractor | <u>3/</u> | : -                            | : -                          | : 2       | : 33        |
| TOTAL          |           | : 7                            | : 3                          | : 68      | : 65        |

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

December 1982

Annex V-A-C  
Sheet 1 of 2

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

LIST OF EQUIPMENT  
As of December 20, 1982

| PROPERTY NO. | NO. ENCLATURE    | CAPACITY | MANUFACTURER'S                       |          |           | REMARKS SERVICEABILITY |
|--------------|------------------|----------|--------------------------------------|----------|-----------|------------------------|
|              |                  |          | MAKE                                 | MODEL    | SERIAL #  |                        |
| SPU          | Service Pick-Up  |          | Toyota<br>Hi-Lux                     | 1972-12R | 13-023753 | Operational            |
| SPU          | Service Pick-Up  |          | -do-                                 |          |           | -do-                   |
| SJ           | Service Jeep     |          | Willy's Flat<br>Head                 |          | E-63875   | -do-                   |
| DT-303       | Dump Truck       | 12 cu.m. | Isuzu                                | SB2-450  | 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<br>Roller Super<br>Major |          | S-98096E  | Inoperational          |
| 1            | Farm Tractor     |          | Massey<br>Ferguson                   | 175      | 21123     | Operational            |
| 2            | Asphaltic Kettle |          |                                      |          |           | -do-                   |

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December 1982

Annex V-A-C  
Sheet 2 of 2

| PROPERTY NO. | DESCRIPTION                 | CAPACITY    | MANUFACTURER'S    |            |          | REMARKS SERVICEABILITY |
|--------------|-----------------------------|-------------|-------------------|------------|----------|------------------------|
|              |                             |             | MAKE              | MODEL      | SERIAL # |                        |
| W-1          | Pneumatic Shobble           |             | Watanabe          | DA120      | 524324   | Idle                   |
| D7E          | Tractor Direct              |             | Caterpillar       | D7E        | 47A-5018 | Under Repair           |
| D7E          | Bulldozer                   |             | -do-              | -do-       | 114      | Operational            |
| D7E          | -do-                        |             | -do-              | -do-       | 120      | Under Repair           |
| RG # 5       | Roadgrader                  |             | Komatsu           |            |          | Operational            |
| RG# 2        | -do-                        |             | Caterpillar       |            |          | Idle                   |
| PL # 6       | Payloader                   | 4.5 cu.m.   | Michigan          | TCM175-III |          | Operational            |
| PL # 7       | -do-                        | 2 cu.yrds.  | -do-              | TCM-II     |          | Under Repair           |
| VR # 1       | Vibrating Roller            | 5.2 M.T.    | Dynapac           | CK-42      | 5324981  | Operational            |
| M-1          | Concrete Mixer              | 1 bag       |                   |            |          | -do-                   |
| 1            | Sheep Foot                  | Double Drum |                   |            |          | -do-                   |
| CC           | Crane                       | 35 ton      | P & H             |            |          | Idle                   |
| DH           | Double Acting Diesel Hammer | 12 ton      | Delmag            |            |          | Under Repair           |
| CM-104       | Transit Mixer               | 3.5 cu.m.   | Nissan            |            |          | Operational            |
| VS           | Vibratory Screed            | 2.5 HP      | Briggs & Stratton |            |          | -do-                   |

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26

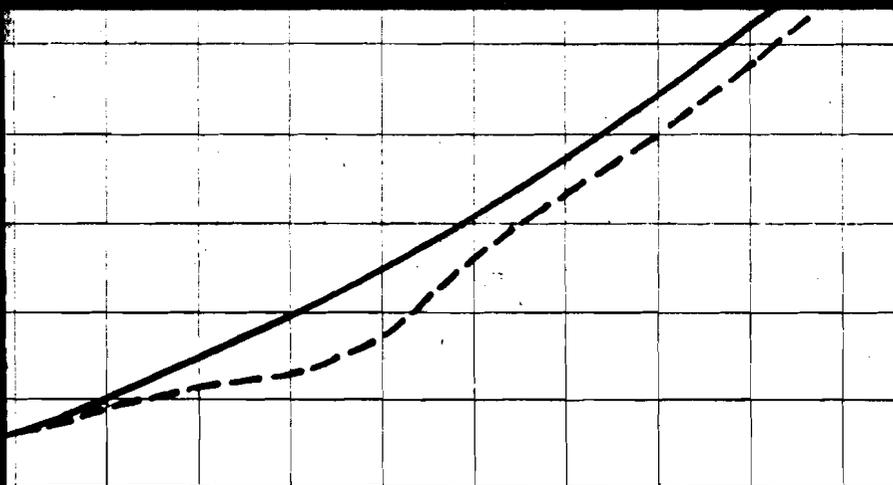


OL SECONDARY AND FEEDER ROADS PROJECT  
 BICOL RIVER BASIN DEVELOPMENT PROGRAM  
**PACKAGE 4**  
 PROJECT NO. 14, CONTRACT V-A, POLANGUI-NASISI ROAD  
 OGRAM OF WORK AND PROGRESS CHART

MO  
 PR!  
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 CU

NUMBER OF DAYS

| 0  | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4  | 26  | 40  | 54  | 64  | 70  | 78  | 86  | 92  | 95  |
| 10 | 16  | 24  | 30  | 37  | 42  | 48  | 54  | 62  | 68  |
|    |     |     |     |     | 0.4 | 10  | 20  | 30  | 40  |
| 8  | 12  | 18  | 24  | 30  | 36  | 48  | 56  | 64  | 72  |
| 12 | 16  | 22  | 28  | 34  | 40  | 46  | 52  | 58  | 64  |



NOTE:  
 REVISED AS OF NOV.20, PER CHANGE ORDER NOS. 1 TO 6

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MONTHLY PROGRESS REPORT AS OF:

NOVEMBER 20, 1982

PREPARED BY:

*[Signature]*  
GONZALO G. CRUZ  
RESIDENT ENGINEER

CONCURRED BY:

ROBERT L. WONG  
GENERAL MANAGER

NET CONTRACT BID AMOUNT :

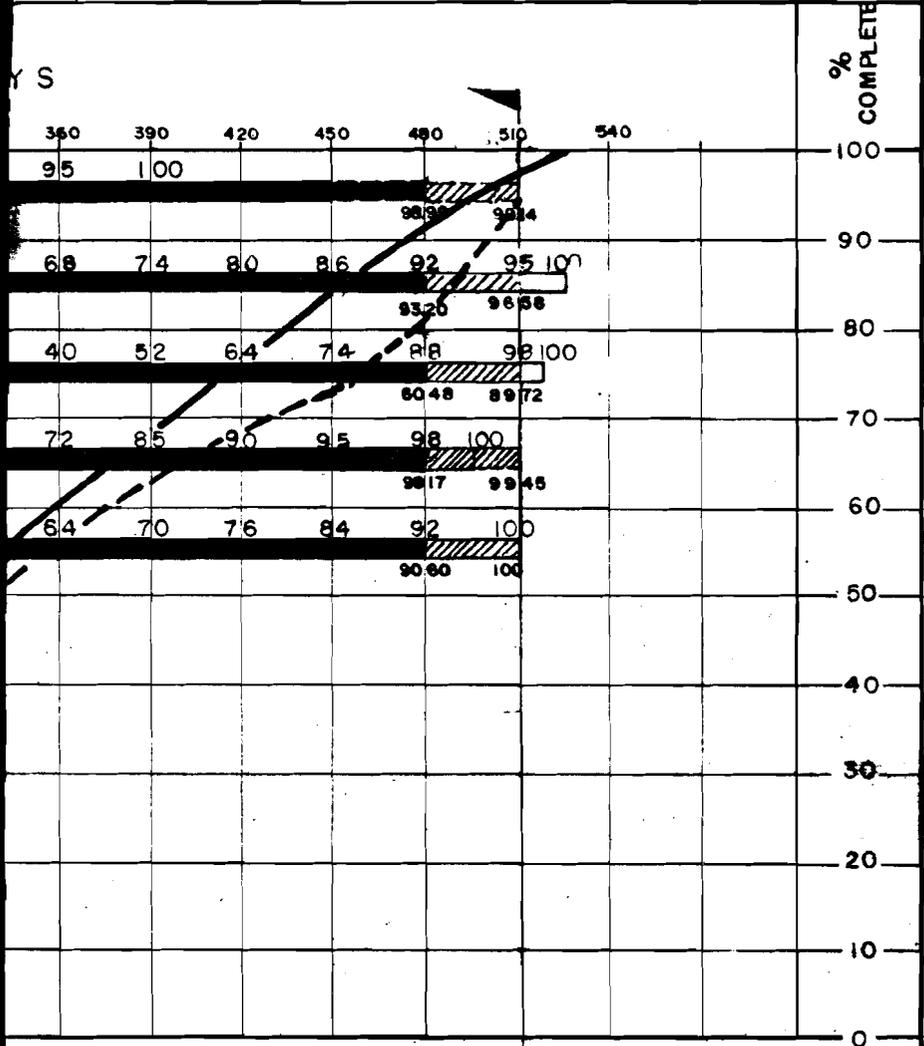
➤ 10,988,450.55

APPROVED REVISED CONTRACT AMOUNT

➤ 14,014,752.30

CURRENT ESTIMATED FINAL COST :

➤ 14,124,614.80



TO 6

ANNEX V

REVISIONS

CERTEZA DEVELOPMENT CORPORATION  
LIST OF FIELD PERSONNEL  
AS OF DECEMBER 1982

December 1982

Appendix "A"  
Sheet 1 of 1

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

LIST OF CDC FIELD PERSONNEL  
AS OF DECEMBER 20, 1982

| <u>N A M E</u>           | <u>DESIGNATION</u>      |
|--------------------------|-------------------------|
| 1. Jose E. Villanueva    | Project Manager         |
| 2. Gonzalo G. Cruz       | Sr. Highway Engineer    |
| 3. Arturo M. Celis       | 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. Fidel Iturrios        | Earthwork/Pav't. Insp.  |
| 8. Jose Montalbo         | Laboratory Technician   |
| 9. Pablo S. dela Peña    | Administrative Officer  |
| 10. Avelino G. Bactol    | Asst. Adm. Officer      |
| 11. Lucia Q. Maquiran    | Project Accountant      |
| 12. Araceli R. Aumentado | Secretary/Typist        |
| 13. Eduardo Samarista    | Janitor                 |
| 14. Catalino Saulan      | Driver                  |
| 15. Arturo Rodriguez     | -do-                    |
| 16. Bernardo Sartorio    | Security Guard          |
| 17. Jose Mabini          | -do-                    |
| 18. Abelardo Rapadas     | -do-                    |
| 19. Efren Montero        | Driver                  |

December 1982

Appendix "B"  
Sheet 1 of 1

BICOL RIVER BASIN DEVELOPMENT PROGRAM  
SAN JOSE, PILI, CAMARINES SUR

EMPLOYMENT GENERATION SURVEY (SS3)

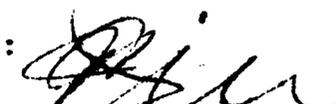
Name of Consultant : CERTEZA DEVELOPMENT CORPORATION

For the month of : DECEMBER 1982

|                |           | : ADMINISTRATIVE/<br>: FINANCE | : | ENGINEERING<br>TECHNICAL | : | SKILLED | : | UNSKILLED |
|----------------|-----------|--------------------------------|---|--------------------------|---|---------|---|-----------|
| Manila Based   | <u>1/</u> | : 4                            | : | 5                        | : | -       | : | -         |
| Local Hired    | <u>2/</u> | : 3                            | : | 3                        | : | 2       | : | 1         |
| Sub-Contractor | <u>3/</u> | : -                            | : | -                        | : | -       | : | -         |
| TOTAL          |           | : 7                            | : | 8                        | : | 2       | : | 1         |

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

Submitted by:

  
JOSE E. VILLANUEVA  
Project Manager

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