

PDAAP-919

IAN: 36511

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United States of America  
Agency for International Development  
and the Somali Democratic Republic

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**Project Number 649-0114**  
**Kismayo Port Rehabilitation**

**Progress Reports No. 6 & 7**

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Parsons Brinckerhoff International, Inc.  
Mogadishu • New York

July 1984

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A. WORK PROGRESS SUMMARY

A-1 Status of Work

The work included in this phase of the Kismayo Port Rehabilitation project includes the following:

- a) Field Investigations - performed under an amendment to the January 1, 1983 Contract.
- b) Final Design and the preparation of Plans and Contract Documents.
- c) A Tariff Rate Structure Study.
- d) A Port Maintenance Study.
- e) Solicitation Phase Services - not yet authorized.

The amendment to the January 1, 1983 contract for field investigations was signed 16 October 83 and the completion date was established at 28 February 1984. A request has been made to extend the completion date to November 30, 1984 to allow for water sampling and testing that is still in progress.

The contract for the balance of the work was signed November 22, 1983 with the effective date of contract as November 1, 1983. This contract included authorization for the performance of Items b) and c). Authorization for Item d) was issued by letter dated November 30, 1983. To allow for the work of Item e) and additional services, a request has been made to extend the completion date to December 31, 1984.

A Subcontract for the subsurface and quarry investigations, laboratory testing, and topographic surveys was signed with Geodrill Limited of Mombasa, Kenya, dated 24 October 1983. Field work started on November 7th and was completed December 5th. Laboratory testing of water samples obtained in May 1984 were sent to Denmark for testing.

The P.B.I. office in Mogadishu was reestablished on November 5, 1983. Prior to this reporting period the Mogadishu office was moved to smaller quarters and put on standby basis. The Somali staff was terminated and the remaining expatriate staff transferred to the New York office. Some of the furniture from the office was turned over to USAID as well as the two vehicles. The new office contains the files and some office furniture for use during future trips to Mogadishu.

A Work Plan and Schedule for the project was submitted and approved by letter dated December 12, 1983. Work has progressed in accordance with the Work Plan and the modified schedule presented in the P.B.I. letter dated May 18, 1984.

One Contract Amendment for additional tasks was issued by USAID/Somalia in February 1984; additional amendments for changes in scope and extension of the completion date are pending.

## A-2 Schedule of Work Progress

The Work Schedule for the project is enclosed indicating the work completed at June 30, 1984.

### B. MAJOR ACTIVITIES AND EVENTS

The major events of this two month reporting period are the completion and submission of the designs, plans, contract documents and cost estimate, the submission of a prequalification package, and the submission of the final report on the Tariff Rate Structure Study. Work was continuing on the final report for the Port Maintenance Study and the CPM Schedule for the project. Work was started on the Final Design Report.

The AID Technical Review Committee met in New York and Washington to review the plans, technical specifications and the contract documents. The plans were approved June 14, 1984 by A. Tummarello of AID/Washington and J.A. Villafane of USAID/Somalia.

Prior to the completion of the plans and documents, a technical issues report and a technical issues letter were prepared covering certain questions raised by the Technical Review Committee. These questions had been discussed at meetings in New York and Washington. The report and letter were submitted June 1, 1984 in Washington, D.C.

At the request of the Mission Director a Prequalification of Bidders package was prepared consisting of prequalification details containing the CBD notice, the Prequalification Questionnaire and the Prequalification Evaluation Criteria. This package was submitted June 18, 1984.

On June 13, 1984 we submitted a brief letter report on the investigation of Italian sources of supply for the steel products required for the bulkhead structure. This letter resulted from trips to Rome by W. Buser and R. Clifford and visits with Italian suppliers, the U.S. and UK Embassies, and contact with Italian trade agencies.

Our Mogadishu liaison, Captain, obtained water samples in May 1984 and arranged to have them shipped to Denmark for testing. Denmark was chosen because there was no convenient way to ship these samples to Nairobi where earlier testing had been performed, and representatives of Pihl volunteered assistance. There were no other P.B.I. activities in Somalia during the reporting period.

C.J. Callaghan returned to New York from his data-gathering trip to Mombasa and Dar es Salaam to participate in the completion of the Tariff Rate Structure Study report.

### C. PROGRESS IN PRIMARY TASKS

The following progress was made on the Primary Tasks scheduled for activity during this reporting period (Reference Item No. on Work Schedule):

1. Mobilization - Completed.

2. Soil borings topographic survey, and quarry investigation. The report on these additional field investigations was submitted March 16, 1984 and accepted by USAID. An addendum containing final boring logs and test results was submitted in May 1984.
3. Laboratory test results for the Juba River water samples were received. New water samples from the Juba River were obtained and sent to the laboratory for testing.
4. Data Collection for Design - All field visits have been completed and data collected.
5. Special Studies and Investigations - The final report has been submitted and accepted by USAID.
6. Final Design and Preparation of Drawings - Completed and submitted June 15, 1984.
7. Technical Specifications Preparation - Completed and submitted June 15, 1984.
8. Other Solicitation Package Elements - Including the prequalification package the solicitation package was completed and submitted June 18, 1984.
9. Construction Schedule - The construction schedule prepared on the basis of a 33 month construction period was revised and submitted June 15, 1984 for a 27 month construction period. A CPM Schedule was requested by the Technical Officer and is in preparation.
10. Construction Cost Estimate - A preliminary construction cost estimate was submitted in Mogadishu on April 12, 1984. The final cost estimate was submitted June 15, 1984.
11. Final Design Report - Work progressed during the period toward an early July submittal.
12. Tariff Rate Structure Study - Following a verbal presentation on April 12, 1984, a draft report was submitted in Mogadishu on April 15th. The final report was submitted June 27, 1984.
13. Port Maintenance Study - The draft report was submitted in Mogadishu April 11, 1984 and the final report will be submitted in early July.

D. ITEMS OF CONCERN AND RECOMMENDED SOLUTIONS

Considerable additional services were performed in order to complete the plans, specifications, and documents; the Tariff Rate and Port Maintenance Study reports; the Technical Issues report and letter; and the CPM schedules. These additional services increased the engineering costs such that the final cost at the completion of the authorized work will exceed the contract cost budget. The additional services performed and the authorization for these services will

be explained in a letter to the Mission Director. It is recommended that the budget be increased as requested in the forthcoming letter.

At the request of the Technical Officer certain optional items were included in the IFB and the Construction Cost Estimate that are not shown on the plans or covered by the Technical specifications. A proposal was submitted for the design and inclusion of these items in the plans and in the specifications. Action on this proposal is necessary in order to make the IFB and the plans and specifications consistent.

Also, at the request of the Technical Officer, proposals were submitted for a dynamic analysis of the bulkhead structure, for the services of prequalifying bidders, and for technical inspection of construction services. Action is recommended on all these proposals.

E. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

The following activities are planned during the next reporting period which ends July 31, 1984.

1. The Final Report on the Port Maintenance Study will be submitted.
2. The Final Design Report, including all design and cost estimate calculations, will be submitted.
3. The CPM Schedule will be submitted.
4. Action is awaited on the various outstanding proposals and services will be performed when authorized.

F. USAID SUPPORT AND DECISIONS REQUIRED

Project approval and action on the outstanding proposals are required.

G. MANPOWER UTILIZATION

During the reporting period the following key personnel served on the project:

| <u>Position</u>       | <u>Name</u>   | <u>Man-Months<br/>This Period</u> | <u>Cumulative<br/>Man-Months</u> |
|-----------------------|---------------|-----------------------------------|----------------------------------|
| Technical Director    | B. Garunkstis | 0.4                               | 1.1                              |
| Project Manager       | W. Buser      | 2.2                               | 7.4                              |
| Project Administrator | P. Warley     | 0.8                               | 3.2                              |
| Structural Engineer   | N. Secker     | 1.3                               | 3.4                              |
| Mechanical Engineer   | P. Curnyn     | 0.8                               | 3.8                              |

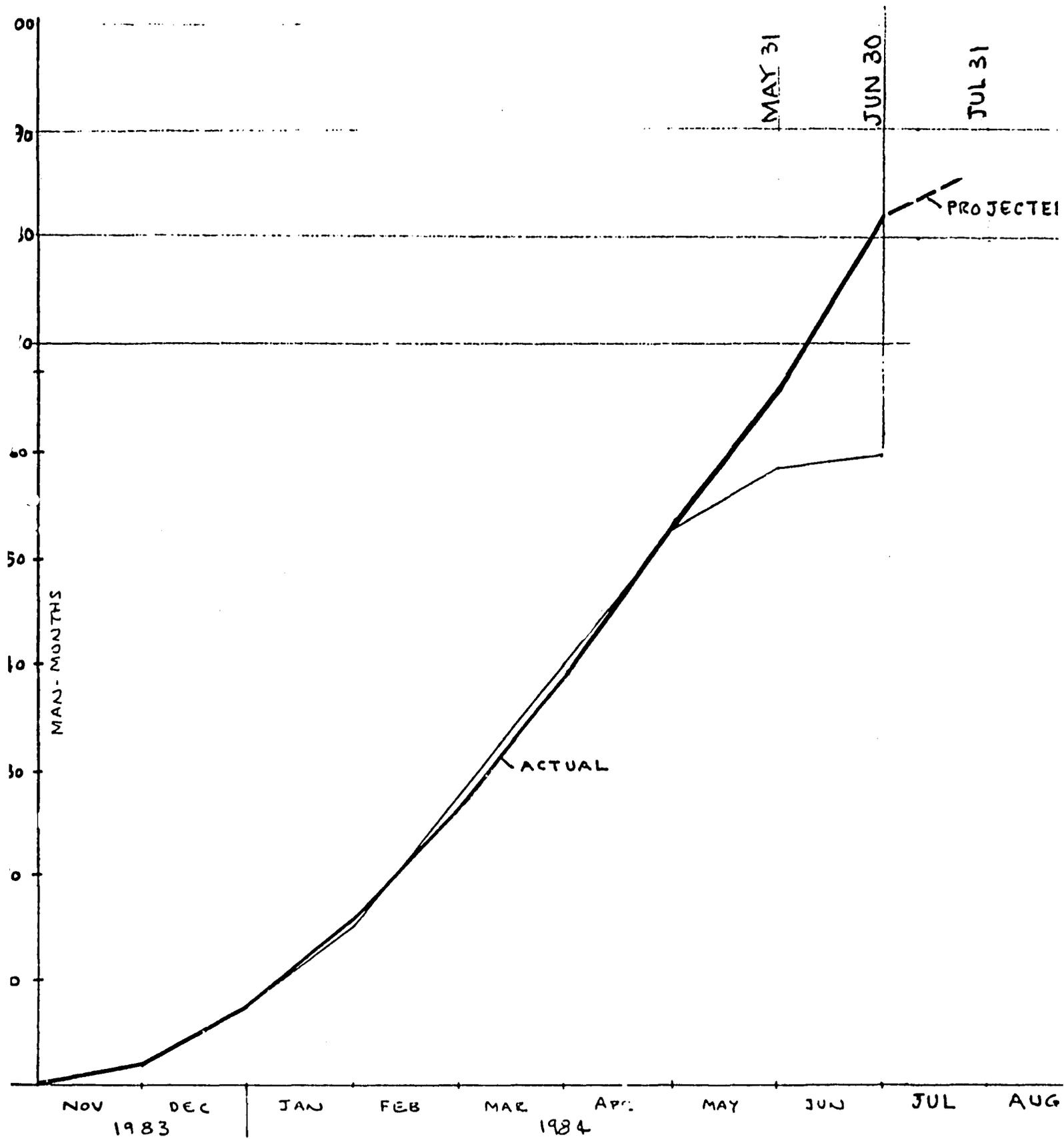
|                     |              |             |             |
|---------------------|--------------|-------------|-------------|
| Electrical Engineer | A. Siddiqui  | 1.0         | 3.1         |
| Geotech. Engineer   | R. Castelli  | 1.3         | 4.8         |
| Economist           | J. Callaghan | 1.2         | 6.4         |
| Port Oper. Spec.    | C. Bui       | 1.0         | 3.0         |
| Proj. Office Mgr.   | R. Clifford  | 2.3         | 5.8         |
| Home Office Support |              | <u>17.5</u> | <u>41.2</u> |
|                     | Total        | <u>29.8</u> | <u>83.2</u> |

The Manpower Utilization Chart for the project follows this page.

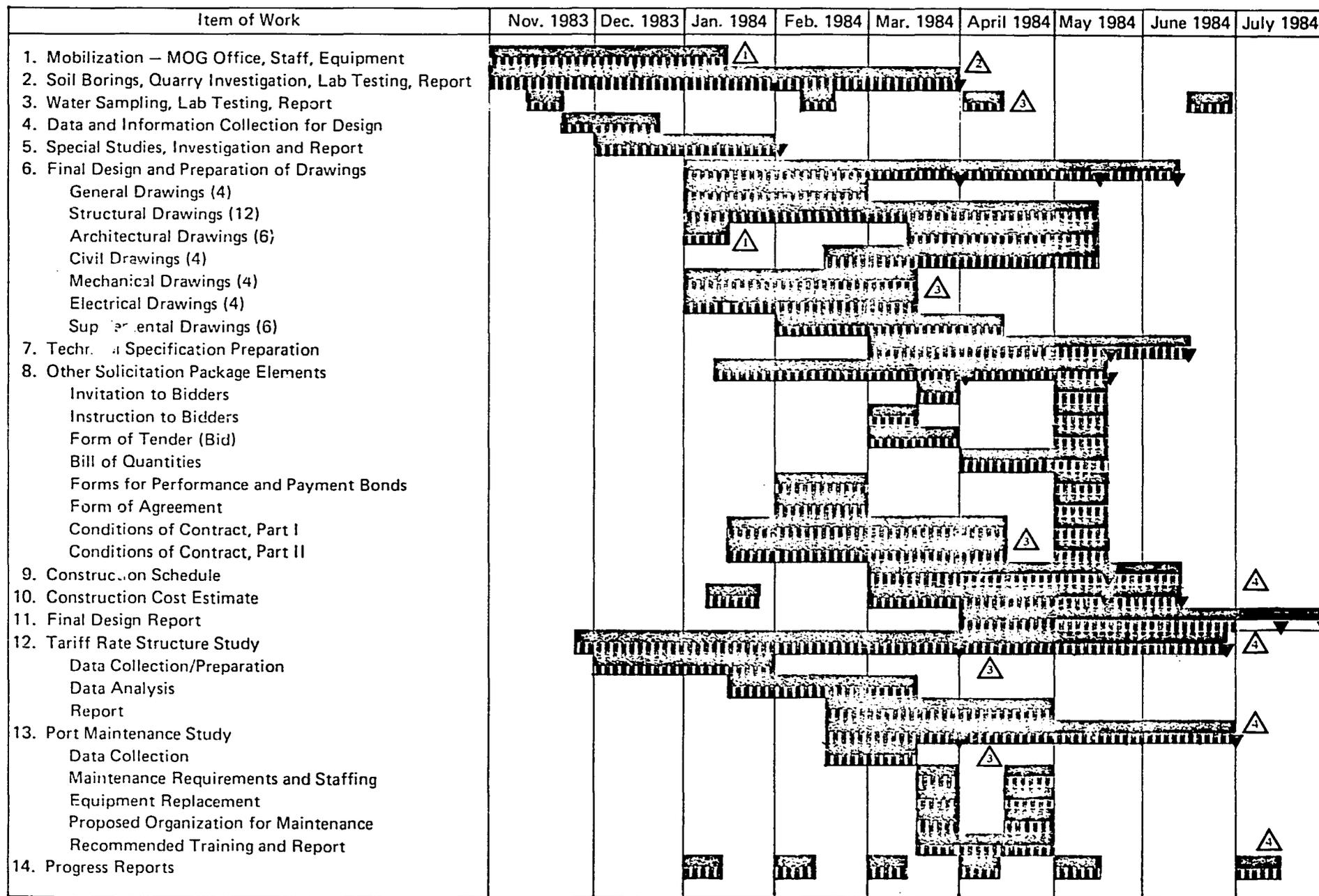
PARSONS  
Brinckerhoff Computation Sheet

Subject KISMAYO PORT REHABILITATION  
MANPOWER UTILIZATION CHART

Page \_\_\_\_\_ of \_\_\_\_\_  
Made by WMB  
Date 1-04-84  
Checked by \_\_\_\_\_  
Revised \_\_\_\_\_  
Date 7-20-84



**KISMAYO PORT REHABILITATION PROJECT  
WORK SCHEDULE – PROGRESS REPORT NOS. 6 & 7**



△ Revised December 30, 1983      ▼ Deliverables      △ Revised July 1984  
 △ Revised February 29, 1984      △ Revised April 1, 1984