

PD-AAN-818

AID Washington
USAID Mogadishu

Contract Number AFR 0114-C-00-4005-00
Project Number 649-0114

Somali Democratic Republic
Kismayo Port Rehabilitation

Progress Report No. 1

Parsons Brinckerhoff International, Inc.
Mogadishu • New York

January 1984

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.

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.

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.

The P.B.I. office in Mogadishu was reestablished on November 5th and is currently staffed by our economist, C.J. Callaghan, and Somali staff including a civil engineer, liaison manager, messenger and driver. A Project Office Manager will arrive in Mogadishu about mid-January 1984.

A Work Plan and Schedule for the project was submitted and approved by letter dated December 12, 1983.

Field visits were made in December by members of the design team for the purpose of gathering data needed for design.

The team economist arrived in Mogadishu on December 1, 1983 to start the data gathering for the Tariff Rate Structure study.

All work has progressed as planned with no apparent delays evident at this time.

A-2 Schedule of Work Progress

The Work Schedule for the project was submitted to USAID in Mogadishu in early December 1983. This Work Schedule is enclosed, with some minor revisions, indicating the work completed at December 31, 1983.

B. MAJOR ACTIVITIES AND EVENTS

The major events during this reporting period were the reactivation of the Mogadishu office, the completion of the field work by the drilling contractor, the field visits by design personnel and the approval of Work Plan.

The Project Manager visited Mogadishu from November 22nd to December 14th. During that period frequent meetings were held with Julio Villafane, (JV) USAID/Somalia's Chief, Office of Engineering. In addition the project manager met, for the purpose of presenting the Work Plan and for gathering information, with the following:

- 11/23 - S. Shah - AID/Washington, J.V.
- 11/24 - S. Shah, L. Cohen - USAID and J.V.
- 11/26 - J. Antoni of Geodrill in Kismayo
- 11/27 - J.V., J. Antoni, Port Director and Somalia Shipping Agency in Kismayo
- 11/29 - Ambassador Oakley
- 12/01 - S. Shah and J.V.
- 12/04 - Issa Abdi, Ministry of Public Works and J.V.
- 12/05 - J.V.; C.J. Callaghan, Staff Economist; and Somali Port Authority (SPA)
- 12/06 - M.J. Edge, Bertlin and Partners, Mombasa
- 12/06 - A.A. Hersi, Highway Laboratory, Mogadishu
- 12/06 - J.V.; Siddique and P.J. Curnyn - Electrical and Mechanical engineers reported on trip to Kismayo
- 12/07 - Cdr. J.W. Taylor, U.S.N. - ROICC, Berbera
- 12/10 - N. Secker, Structural Engineer; Mr. Saleh, Kismayo Port Director; Mr. Yussef, Somali Port Authority; met in Kismayo to discuss locations for Contractor's Yard both on and off the Port site.
- 12/11 - Mayor and Deputy Mayor of Kismayo; representative of Land Department; and Mr. Ashure of USAID regarding potential camp sites for Contractors use.
- 12/13 - Issa Abdi and J.V. - Discussed schedule for project reviews and the need and location of roll-on/roll-off facilities.

- With J.V. visited the Port of Mogadishu
- J.V., N. Secker and L. Cohen - reviewed results of latest visit to Kismayo and program for next two months.
- 12/14 - Left Mogadishu for New York.

C. PROGRESS IN PRIMARY TASKS

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

1. Mobilization - Mobilization of office, equipment and staff was completed in December, except for the arrival in Mogadishu of the Project Office Manager. He is schedule for arrival during the latter half of January 1984.

Equipment for use in Somalia includes two vehicles which were purchased rather than rented as originally planned. These purchases were approved by USAID and a waiver granted for obtaining non-US manufactured vehicles.

2. Soil borings topographic survey, and quarry investigation field work has been completed. Laboratory testing is now in progress and topographic plans are being prepared.
3. Water samples from the harbor and from the Juba River have been obtained and sent to the laboratory of the University of Nairobi for testing.
4. Data Collection for Design - All field visits have been completed and data collected. Should additional data or information be required these will be obtained by the Project Office Manager.
5. Special Studies and Investigations - These studies which are to finalize the scope and nature of the project were started in December and are scheduled for completion at the end of January 1984.

Fender Systems - The condition of the existing fendering has been established and alternative systems are being investigated.

Bulkhead Section, Coating and Cathodic Protection System - Based on the results of the latest soil borings, the section and strength requirements for the bulkhead have been established. Alternative sections and steel grades are now being investigated for costs and durability. The comparison of these alternatives in conjunction with the protective coating and cathodic protection systems will be made during January.

Roll-On/Roll-Off Facilities - The type, characteristics and location of these facilities for vessels expected to call at Kismayo are currently being investigated. Ship characteristics, tidal variations at the site, and mooring systems are key elements in the design of the ro/ro facilities and are currently being determined.

Berth Construction Sequence and P.O.L. and Molasses Lines Relocation During Construction - These interdependent items are related to the overall port rehabilitation program, the location of the Contractor's yard on the site, the demands of port operations for cargo storage and traffic circulation, and the requirement to keep two berths in operation at all times during construction. A construction schedule will be developed that will consider all these items and their effects on the cost of construction, the cost of cargo handling operations and the ability to handle increased cargo volumes.

Dredging - The availability of dredges and the costs to perform the relatively small quantity of dredging required for the project, within the limits of AID regulations, are being investigated. Alternative means of accomplishing this dredging are also being considered.

12. Tariff Rate Structure Study

Work was started with arrival of C.J. Callaghan, economist, in Mogadishu, December 1st. Contacts were made, first with AID to obtain a letter of introduction to Somali Port Authority (SPA), then to SPA, to obtain similar letters to officials at ports to be visited. Meanwhile, data gathering got underway with a review of SPA financial statements and existing Somali port tariff structure. Upon release of SPA letters, data on equipment, facility use, cargo throughput, and ship characteristics were gathered at Mogadishu port. In late December a trip was made to Djibuti to gather data on port fees for comparison purposes and to pick up two vehicles to drive back. Time was spent in Berbera recording data similar to that obtained from Mogadishu.

D. ITEMS OF CONCERN AND RECOMMENDED SOLUTIONS

The only item of concern at this time is the need for a decision on the funding and method of contracting for construction. Both of these items, which must be decided by USAID, affect the bidding documents.

E. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

The following activities are planned during the next reporting period which ends January 31, 1984, (Reference, Item No. of Work Schedule):

1. Mobilization will be completed with arrival of Project Office Manager in Mogadishu.
2. Laboratory testing will be completed.
3. Laboratory test results in water samples will be analyzed.
4. Completed.
5. Special studies will be completed and presented to USAID in Mogadishu at the end of January.

6. Final Design work will be started on the following items that are not dependent on the results of "Special Studies" and USAID concurrence with recommendations based on these studies:
 - a) Geotechnical analysis of bulkhead loads and
 - b) Fire protection and water distribution systems
 - c) Electrical Distribution systems
 - d) Architectural Design of ancillary facilities in existing buildings and new pump houses.
8. Preparation of the Solicitation Package documents will be started. An initial meeting is planned with the Contracting Officer in Nairobi.
12. Data gathering for the Tariff Rate study will continue. Trips to Berbara, Mombasa, and Dar Es Salaam are planned for this period.

F. USAID SUPPORT AND DECISIONS REQUIRED

The basic decisions on funding and contracting are required before the Contract Documents can be prepared.

The availability of funds, whether all funds are available or whether they are dependent upon future appropriations. If dependent on future appropriations this must be spelled out in the contract documents and the designs must include contingency plans for a possible cut-off in funds. Also, if funding is to come from other-than-U.S. sources, the origin and source requirements of the contract could be effected.

The method of contracting, whether direct - USAID or host-country, directly effects the Contract Documents. Likewise, the method of contract administration or management will also affect these documents.

The preparation of the general and special conditions, the instructions to bidders, the bid and bond forms are all dependent on the above decisions. This work is scheduled to start during January for a 100 percent completion by March 31st. This completion date cannot be met unless these decisions are made in early February.

G. MANPOWER UTILIZATION

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

<u>Position</u>	<u>Name</u>	<u>Planned Man-Months</u>	<u>Actual Man-Months</u>
Technical Director	B. Garunkstis	0.3	0.3
Project Manager	W. Buser	1.3	1.3
Project Administrator	P. Warley	1.0	1.0
Structural Engineer	N. Secker	0.7	0.7
Mechanical Engineer	P. Curnyn	0.5	0.5
Electrical Engineer	A. Siddiqui	0.5	0.5
Geotech. Engineer	R. Castelli	1.0	1.0
Economist	J. Callaghan	1.2	1.2
Home Office Support		1.0	1.0

The following personnel spent time in Mogadishu/Kismayo during the reporting period.

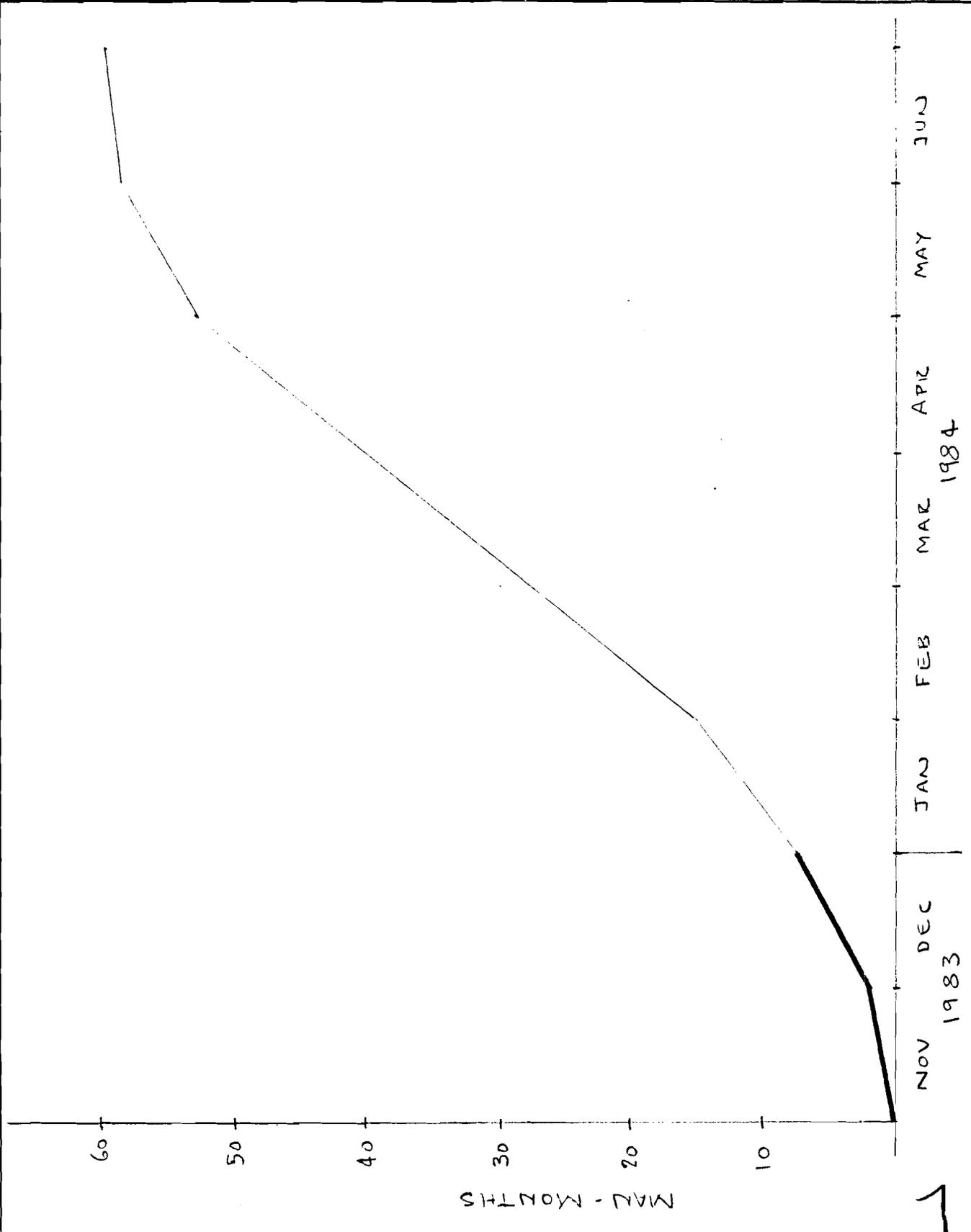
- W. Buser
- P. Warley
- N. Secker
- P. Curnyn
- A. Siddiqui
- R. Castelli
- J. Callaghan
- S. Ordun - Boring Inspection

The Manpower Utilization Chart for the project follows.

Parsons Brinckerhoff Computation Sheet

Subject KISMAYO PORT REHABILITATION
MANPOWER UTILIZATION CHART

Page _____ of _____
Made by WMB
Date 1-04-84
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