
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. 2

Parsons Brinckerhoff International, Inc.
Mogadishu • New York

February 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.

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 Project Office Manager, Roger Clifford, our Economist, C.J. Callaghan, and Somali staff including a civil engineer, liaison manager, messenger and driver.

A Work Plan and Schedule for the project was submitted and approved by letter dated December 12, 1983. All work is progressing in accordance with the Work Plan.

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, and indicates the work completed at January 31, 1984.

B. MAJOR ACTIVITIES AND EVENTS

The major events during this reporting period were the completion of mobilization with the arrival in Mogadishu of our project office manager, initial meetings with Jim Anderson the construction contract officer, and the submission of the Draft Special Studies Report.

The Project Manager visited Mogadishu from January 17th to February 2nd. During that period frequent meetings were held with Julio Villafane, (JV) USAID/Somalia's Chief, Office of Engineering. In addition the project manager met with the Mission Director, L. Cohen, the Deputy Mission Director, G. Nelson, Ambassador Oakley, Jim Anderson, and Mr. Saleh, the Kismayo Port Director.

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 with the arrival of the Project Office Manager, Roger Clifford, and with the purchase of two vehicles from Djibouti.
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. Results of L.A. Abrasion tests on aggregate samples were received.
3. Laboratory test results for the initial Juba River water samples were received. New water samples from the Juba River were 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.
5. Special Studies and Investigations - The draft report presenting the results of the Special Studies and Investigations was delivered January 31, 1984. This report made recommendations regarding the following:
 - Bulkhead section and type of steel
 - Protective coatings
 - Cathodic protection
 - Fendering
 - Roll-on/Roll-off ramps
 - Construction sequence and temporary relocation of P.O.L. and molasses service stations.
6. Final Design and Preparation of Drawings - Initial design work has been started in developing some of the information for the Special Studies report. Architectural sketches of toilet rooms were prepared. Tracing paper with title blocks has been ordered. The bulk of the design work has been deferred pending the approval of the recommendations of the Special Studies report.
7. Not scheduled during this period.
8. Other Solicitation Package Elements - Initial meetings were held with Jim Anderson in Mogadishu and a schedule for his participation was proposed. A meeting was set for Nairobi, February 2nd.

9. Not scheduled during the period.
10. Construction Cost Estimate - Costs were estimated for several of the items considered in the Special Studies report including the bulkhead sections, protective coatings, cathodic protection, and fendering.
11. Not scheduled during this period.
12. Tariff Rate Structure Study - The first three weeks of January were spent gathering data at Berbera port and at Kismayo. Berbera was visited in connection with an earlier data gathering trip to Djibouti the last week in December. The third week in January was spent at Kismayo. Information was recorded on port operations, equipment usage, and on ship and cargo characteristics for the years 1982-1983.

Upon the return to Mogadishu, work was started compiling, organizing, and analysing the data gathered in the port visits.

13. Port Maintenance Study - The Price Warehouse reports of 1976-77 concerning port operations and maintenance were obtained and are being reviewed.

Additional Tasks

As a result of the study of bulkhead sections and types of steel, it was agreed that PBI should prepare two designs and two sets of plans to enable competitive bids to be received from Bethlehem and U.S. Steel. These companies do not roll sheet pile sections of the same size.

Because of lack of confidence in the ability of the Kismayo Port's recently acquired diesel generator to provide reliable power to the port, USAID has authorized PBI to design an independent power system consisting of 2-100 KW diesel-engine-driven generators to be housed separately from the Port's generator. (The Port's generator has recently been removed and loaned to another facility).

D. ITEMS OF CONCERN AND RECOMMENDED SOLUTIONS

USAID is still considering a number of items that affect our work. However, it was agreed that we should proceed with the work pending future decisions. By letter dated January 30, 1984, we stated the bases on which we were proceeding. These are presented below:

1. The construction contract will be a direct-AID contract.
2. The construction contract will be a fixed-price contract with certain unit prices for quantity adjustment.
3. The funding for the construction will be available for the project, in its entirety, at the time of contract award.

4. While Italian participation in the funding is being considered we are to proceed as if the project is to be entirely U.S. funded.
5. Prequalification of bidders will not be required.
6. Unit costs for construction cost estimating, applicable to construction in Somalia, will be available from the U.S. Corps of Engineers by the third week in February.
7. Because Bethlehem Steel and U.S. Steel no longer produce the same sheetpile sections we will prepare two sets of designs, plans, estimates, and specifications so that either company can furnish the steel. An authorization for this additional work is requested.
8. Because of the lack of confidence in the ability of the port's recently acquired electric generator we are to proceed with the design of an electric generating system that can provide the power needs of the port. It is understood that two 100 KW diesel-engine-driven generators are to be provided. An authorization for this additional work is requested.
9. Because of the possibility of co-financing by the Italian government, and the consideration that they may provide all of the steel required for the bulkhead structure, a visit to Rome was authorized to acquire the information needed to evaluate this consideration.

E. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

The following activities are planned during the next reporting period which ends February 29, 1984, (Reference, Item No. of Work Schedule):

1. Mobilization - completed.
2. Soils laboratory testing will be completed.
3. Water sampling and laboratory testing will continue.
4. Data Collection - completed.
5. Special studies report will be finalized and submitted after receipt of USAID comments and/or approval.
6. Final Design work will proceed on all items of work.
7. Not scheduled.
8. The Solicitation Package documents will be prepared by the Project Office Manager in Mogadishu, after an initial meeting with the contracting Officer in Nairobi.
9. Not scheduled.
10. Not scheduled.

11. Not scheduled.
12. Tariff Rate Study - The data collected will be compiled and analyzed during this period and the writing of the report will be started. Our operations specialist will analyze the cost data for various operations.
13. Port Maintenance Study - Data collection will be started and previous reports will be reviewed.

F. USAID SUPPORT AND DECISIONS REQUIRED

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

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>Man-Months this period</u>	<u>Cumulative Man-Months</u>
Technical Director	B. Garunkstis	0.3	0.6
Project Manager	W. Buser	1.0	2.3
Project Administrator	P. Warley	1.0	2.0
Structural Engineer	N. Secker	0.4	1.1
Mechanical Engineer	P. Curnyn	0.4	0.9
Electrical Engineer	A. Siddiqui	0.2	0.7

<u>Position</u>	<u>Name</u>	<u>Man-Months this period</u>	<u>Cumulative Man-Months</u>
Geotech. Engineer	R. Castelli	0.4	1.4
Economist	J. Callaghan	1.0	2.2
Port Oper. Spec.	C. Bui	0.5	0.5
Proj. Office Mgr.	R. Clifford	0.5	0.5
Home Office Support		<u>3.0</u>	<u>4.0</u>
	Total	8.7	16.2

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

W. Buser
J. Callaghan
R. Clifford

The Manpower Utilization Chart for the project follows this page..

Parsons Brinckerhoff Computation Sheet

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Made by WMB

Date 1-04-84

Subject KISMAYO PORT REHABILITATION

MANPOWER UTILIZATION CHART

Checked by _____

Revised _____

Date 2-17-84



