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AID Washington  
USAID Mogadishu  
Contract Number AFR 0114-C-00-4005-00  
Project Number 649-0114

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**Somali Democratic Republic  
Kismayo Port Rehabilitation**

**Progress Report No. 3**

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Parsons Brinckerhoff International, Inc.  
Mogadishu • New York

March 1984

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Parsons  
Brinckerhoff

PDAAP 117

Parsons Brinckerhoff International, Inc. Engineers • Architects • Planners

March 23, 1984

Mr. Julio Villafane  
USAID/Somalia  
via Afgoi  
Mogadishu, Somalia

Re: USAID Project No. 649-0114  
Kismayo Port Rehabilitation  
USAID Contract No. AFR-0114-C00-4005-00  
Progress Report No. 3

Dear Mr. Villafane:

Enclosed are four (4) copies of Progress Report No. 3 covering the period from February 1, 1984 to February 29, 1984. Sixteen additional copies are being forwarded under a separate cover. In accordance with Article IIC of our contract we are forwarding a copy of this report to Office of Development Information and Utilization Service, Bureau for Science and Technology.

Very truly yours,

PARSONS BRINCKERHOFF INTERNATIONAL, INC.



Warren M. Buser  
Project Manager

WMB/jm  
Encl.

cc: Bureau for Science and Technology

**Mailing Address**

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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.

Contract Amendments for additional tasks were issued by USAID/Somalia.

**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 February 29, 1984.

**B. MAJOR ACTIVITIES AND EVENTS**

The major events during this reporting period were the completion and acceptance of the Special Studies Report and the start of final designs, plans,

technical specifications and contract documents. This latter activity is based on the Special Studies Report and our letter dated January 30, 1984, indicating the bases on which we were proceeding with the work.

During February the Project Manager along with R. Clifford, visited Jim Anderson in Nairobi and stopped in Rome, Italy to obtain information on the capability of the Italian steel industry to supply the steel needed for the project.

At the request of J. Snead, a copy of the draft Special Studies report was sent to AID/Wash. and discussed at a meeting in Washington on March 1st. This meeting was attended by the Project Manager and Mr. J.C. Lange.

Mr. T. Lustig of AID visited the Project Manager at the PBI New York office prior to his trip to Somalia.

#### 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 field work has been completed. Some laboratory test results, the boring logs, and the topographic plan have been received. The report on these field investigations is being prepared.
3. Laboratory test results for the Juba River water samples were received. New water samples from the Juba River were obtained.
4. Data Collection for Design - All field visits have been completed and data collected.
5. Special Studies and Investigations - The final report has been sent to Mogadishu.
6. Final Design and Preparation of Drawing - Work was started on the final design and the contract drawings based on the recommendations of the Special Studies Report. General plans were prepared for use by various disciplines in presenting their work. Progress was made on the geotechnical and structural design of the bulkhead structure and structural drawings were started. Equipment layouts were prepared by the electrical and mechanical designers enabling the architects to start design of the Generator and Water Pump buildings. By the end of February nine drawings were being worked.
7. Not scheduled during this period.
8. Other Solicitation Package Elements - Initial meetings were held with Jim Anderson in Nairobi. Based on discussions at these meetings and the understanding that the Construction Contract would be a Direct AID contract, R. Clifford started preparation of the

various solicitation package elements in preparation for a draft submittal at the end of March.

9. Not scheduled during this period.
10. Not scheduled during this period.
11. Not scheduled during this period.
12. Tariff Rate Structure Study - Data was collected on export industries and all previously collected data consolidated. Cargo projections, fee and operations analyses were performed and report writing begun. C.J. Callaghan, economist; C. Bui, operations specialist; and Somali staff participated in these activities. C. Bui arrived in Mogadishu during the last week of February.
13. Port Maintenance Study - The Price Waterhouse reports of 1976-77 were reviewed, initial sections of the report drafted, and programs prepared for the work to be accomplished in Somalia.

**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 on the bases presented in our letter dated January 30, 1984.

Construction cost estimates will be prepared by us using our own unit prices. If the Corps of Engineers completes the preparation of their Unit Price Book before we submit our estimate we will compare prices and report the differences to USAID.

**E. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD**

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

1. Mobilization - completed.
2. Soils laboratory testing will be completed and report submitted.
3. Water sampling and laboratory testing will continue.
4. Data Collection - completed.
5. Special studies report - completed.
6. Final Design work will proceed on all items of work. 60% submittal will be ready for review in Mogadishu.
7. Technical specification preparation will be started with some material available for review at end of month.

8. The Solicitation Package documents, prepared by the Project Office Manager in Mogadishu, will be available for review at end of month.
9. Construction Schedule - A preliminary schedule will be prepared for review at end of month.
10. Construction Cost Estimate - Work will be started on the preparation of this estimate.
11. Not scheduled.
12. Tariff Rate Study - A draft of the report on this study will be available April 9, 1984.
13. Port Maintenance Study - A draft of this study will be available at end of month.

**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 must be known. 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 was started during January based on direct - USAID contracting.

**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	0.0	0.6
Project Manager	W. Buser	0.9	3.2
Project Administrator	P. Warley	0.1	2.1
Structural Engineer	N. Secker	0.2	1.3

<u>Position (Cont'd)</u>	<u>Name</u>	<u>Man-Months This Period</u>	<u>Cumulative Man-Months</u>
Mechanical Engineer	P. Curnyn	0.7	1.6
Electrical Engineer	A. Siddiqui	0.0	0.7
Geotech. Engineer	R. Castelli	0.7	2.1
Economist	J. Callaghan	1.0	3.2
Port Oper. Spec.	C. Bui	0.7	1.2
Proj. Office Mgr.	R. Clifford	1.0	1.5
Home Office Support		<u>4.9</u>	<u>8.9</u>
	Total	10.2	26.4

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

C.J. Callaghan  
R. Clifford  
C. Bui

The Manpower Utilization Chart for the project follows this page.

**Parsons** **PROGRESS REPORT NO. 3**  
**Brinckerhoff** **Computation Sheet**

Page \_\_\_\_\_ of \_\_\_\_\_  
 Made by WMB  
 Date 1-04-84  
 Checked by \_\_\_\_\_  
 Revised \_\_\_\_\_  
 Date 3-11-84

Subject KISMAYO PORT REHABILITATION  
MANPOWER UTILIZATION CHART



