

**Zila Roads Maintenance and Improvement Project**  
(USAID PROJECT NO. 388-0056)

**PROGRESS REPORT**

FOR THE MONTH OF  
JUNE '85

By  
Wilbur Smith and Associates  
In association with  
Bangladesh Consultants Ltd.  
and  
Public Administration Service

ZILA ROADS MAINTENANCE AND IMPROVEMENT PROJECT  
USAID PROJECT NO.388 - 0056

PROGRESS REPORT  
JUNE, 1985

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LIST OF ABBREVIATIONS AND DEFINITIONS

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List of Abbreviations

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AIT	=	Asian Institute of Technology
AE	=	Assistant Engineer
BCL	=	Bangladesh Consultants Limited
BGD	=	Bangladesh Government
CY	=	Calendar Year
DC	=	District Commissioner
FM	=	Fineness Modulus
GOB	=	Government of Bangladesh
HBB	=	Herring Bone Bond
LGEB	=	Local Government Engineering Bureau
NICAR	=	National Implementation Committee for Administrative Reform
PM	=	Project Manager
PAS	=	Public Administration Services
PIL	=	Project Implementation Letter
RFQ	=	Request For Quotation
RE	=	Resident Engineer
RA Bill	=	Running Account Bill
RCC	=	Reinforced Cement Concrete
SAE	=	Sub-Assistant Engineer
USA	=	United States Of America
USAID	=	United States Agency for International Development
UNO	=	Upazila Nirbahi Officer, (Senior most Administrative Officer in Upazila)
WSA	=	Wilbur Smith And Associates
WBM	=	Water Bound Macadam
XEN	=	Executive Engineer
ZEMI	=	Zila Roads Maintenance And Improvement Project

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Definitions

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KHOA	=	Brick Aggregate
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## **ZILA ROADS MAINTENANCE AND IMPROVEMENT PROJECT**

**USAID PROJECT NO. 388-0056-02**

### **PROGRESS REPORT**

**June, 1985**

#### **1.0 GENERAL**

All districts had initiated an ambitious maintenance programme for the current year but had to curtail their programme to the extent of Taka 6.50 lacs, Taka 15.40 lacs and Taka 12.00 lacs in Faridpur, Rangpur and Sylhet districts respectively as per decision of the Ministry. The shortage of revolving funds continue to reduce the scale of maintenance work in Faridpur. Some work on the maintenance schemes in Rangpur is proceeding during the monsoons. Maintenance work in Sylhet was interrupted due to incessant heavy rains and flood.

Second AIT Training Course scheduled from 30th June, 1985, could not take place in view of the non-receipt of clearance from the G.O.B.

Construction projects are going well in the district of Faridpur and Rangpur. Substantial progress has been made in Faridpur district, Fourteen (14) schemes are 100% complete of 84/85 and the bridge construction programme is slow because of the late start and foundation problem in some scheme sites. The construction programme in Sylhet district was seriously impeded because of large scale flooding in most of the Sites, exception being in Nabiganj-Baniachung road and Bahubal-Putijuri road Sites.

The revised and updated technical manuals prepared by Mr. G. Lugenbeel namely; Road Construction Manual, Standard Specifications for Road Construction, have been submitted during this reporting period.

#### **2.0 ORGANIZATION AND MANAGEMENT**

The new setup of LGEB as approved by National Implementation Committee for Administrative Reform (NICAR) is not yet fully operational. Personnel have started reporting to their new posts and the actual problems will start surfacing as soon as all incumbents are in position. The review and updating of the Organization And Management Manual can only take place when the NICAR approved organization is fully functional.

### **3.0 MAINTENANCE SYSTEM AND SUPERVISION**

#### **3.1 General**

Maintenance work continued in all three districts, although all continued to report that the scope of work was curtailed by the shortage of funds.

The roads involved in the district maintenance programs are shown on the respective (old) District maps, which are identified as follows :

- o Exhibit II - Sylhet District
- o Exhibit V - Rangpur District
- o Exhibit VIII - Faridpur District

Photographs of the maintenance activities in both Rangpur and Faridpur Districts may be found in Appendix A.

#### **3.2 Sylhet District**

##### **3.2.1 Sylhet Maintenance Projects**

###### **Hatimganj - Dhakadakshin Road - Earth**

During this reporting period, a crew of two to four men has been involved in routine maintenance of this road.

###### **Sylhet - Badaghat Road - Paved And Earth**

The repair, seal coating, and maintenance of the paved section is complete. A crew of two men continues to labor on routine maintenance work and the repair of shoulders.

###### **Shahbondar - Shamsherganj Road - Paved**

No activity during this reporting period. This project has been cancelled for lack of funds.

###### **Munshi Bazar - Kamalganj - Kurma Road - Earth**

Both preventive and routine maintenance work are in progress. However, scope of work was reduced to conform to the allocation of maintenance funds. Of a total length of 16.2 km, some 14.25 km preventive maintenance work has been completed.

### **Bahubal - Putijuri - Bijnaghat Road - Paved And Earth**

Maintenance on the paved section of the road has been dropped because of a shortage of funds. However, preventive and routine maintenance of the earth section continues. That section of the road previously maintained has been badly affected by the recent heavy rains and flooding, and now urgently requires further repairing.

### **Nabiganj - Baniyachung Road - Earth**

The preventive and routine maintenance work on this road was again taken up this month. Of a total of 7.50 km, some 6.45 km have been maintained. The portion which had been earlier maintained, and subsequently damaged by the heavy rains, has been satisfactorily repaired.

### **Sunamganj - Chhatak Road - Earth**

Out of 6.00 km, some of 4.50 km of preventive and routine maintenance have been completed. As recommended by the RE, further maintenance work has been stopped because of the numerous bridge gaps in the road.

### **Shahbag - Kanaighat Road - Paved**

Repair and maintenance work on this road has again been taken up during this reporting period. Earlier pothole repairs (about 800m) using bituminous emulsion has been badly damaged. The materials used were not as specified.

### **Fenchuganj - Majigaon Road - Paved**

This project has been dropped because of the shortage of maintenance funds.

### **Tajpur - Syedpur Road - Earth**

Preventive and routine maintenance work was again taken up during this reporting period. Of a total of 5.25 km, preventive maintenance is complete for 4.60 km.

## **3.3 Rangpur District**

### **3.3.1 Rangpur Maintenance Projects**

#### **1983 - 84 Schemes**

#### **Rangpur - Badarganj Road**

Maintenance work completed, first reimbursement recommended.

**Rangpur - Mahiganj Road**

Maintenance work completed, first reimbursement recommended.

**'1984 - 85 Schemes**

**Mahiganj - Damdama Road**

Earth slope maintenance work was in progress during this reporting period. Maintenance work is about 95 percent complete and first reimbursement recommended.

**Mirganj - Jaldhaka Road**

Pavement repairs 100 percent complete; shoulder improvement now in progress. No reimbursement claims received as yet.

**Rangpur-Sundarganj Road**

Shoulder improvement completed, materials collected to start pavement repair work.

**Rangpur - Kakina Road**

Repair of WBM pavement completed. Work is now in progress on bituminous pavement.

**Barodarga - Bhendabari Road**

Maintenance work completed. No reimbursement claims received as yet.

**Rangpur - Badarganj Road**

Shoulder improvement is about 90 percent complete, pavement repair work now in progress.

**Nilphamari - Jaldhaka Road**

Shoulder improvement work is about 90 percent complete. Pavement repair work now in progress.

### **Gaibandha – Kamarjani Road**

No work taken during this reporting period.

### **Gaibandha – Sadullahpur Road**

Shoulder improvement is in progress, started collecting materials for pavement repair work.

## **3.4 Faridpur District**

### **3.4.1 Talma – Nagarkanda Road**

This road is now under routine maintenance. Some potholes have began to develop in km 7.0, a three year old bituminous pavement.

### **Baliakandi – Rajbari Road**

This road is now under routine maintenance. The wing-wall replacement on bridge km 4.05 is complete.

### **Khalipur – Sibrapur – Lakhidasher Road**

The HBS pavement needs corrective maintenance but lack of funds has prevented the start of work.

### **Sadarpur – Piajkhali Road**

About 70% of the bituminous pavement patching is complete and work has started on wingwall replacement on the Baisharashi bridge. All work halted on 15 June for lack of funds.

### **Madhukhali – Baliakandi Road**

2 crews have been regrading shoulders but work halted on 15 June for lack of funds. Payment for this work will eventually be deducted from the contractors security deposit.

## **3.5 Maintenance Management**

The final printing of this report was done during this reporting period and will be distributed as soon as possible.

#### **4.0 PREPARATION OF TECHNICAL SPECIFICATIONS**

Standard Specifications For Road Construction and Road Construction Manual have been submitted to LGEB on 5th June, 1985.

#### **5.0 TRAINING**

##### **5.1 General**

As shown on Exhibit I, the overall progress of the ZRMI Project Training Program, as of the end of this reporting period was about 94 percent, compared to a scheduled progress of 100 percent. This reporting period represents the end of the completion of the training program, as it was rescheduled in December 1984.

However, as mentioned in the May Progress Report, the ZRMI Project Training Program has been extended to November 1985. As a consequence, a revised schedule has been prepared to reflect a program closing date of 30 October 1985. Therefore, the remarks that follow will be divided into two groups — one concerned with achieved progress on the program scheduled to end with this reporting period, and one concerned with the same achievements relative to the program scheduled to end on 30 October.

##### **5.2 On-The-Job Training**

###### **5.2.1 General**

This major activity represents about 15 percent of the total training program. Since it is considered to be a straight-line function, the achieved progress will be the same as the scheduled progress on 30 June 1985; that is, 100 percent. For the revised schedule, the achieved progress is 87 percent as of the end of this reporting period.

###### **5.2.2 District Soil Laboratory Activities**

Summaries of the activities of the individual soil laboratories are included as Appendix B of this report.

##### **5.3 Domestic (In-Country) Training**

###### **5.3.1 General**

The major activity represents about 55 percent of the total training program. Achieved progress on 30 June was about 97 percent, compared with a scheduled progress of 100 percent. For the revised schedule, the achieved progress is about 72 percent, compared with a scheduled progress of about 77 percent.



**5.3.2 System Assessment**

This secondary activity is 100 percent complete for both the original, as well as the revised schedule.

**5.3.3 System Design**

This secondary activity is 100 percent complete for both the original, as well as the revised schedule.

**5.3.4 System Implementation**

This secondary activity is about 96 percent complete for the original schedule, as compared with a scheduled completion of 100 percent. For the revised schedule, it is about 70 percent complete, as compared with a scheduled completion of about 70 percent. In the revised schedule, the proposed management course has been moved back into the last half of C.Y. 1985, which accounts for achieved progress being the same as scheduled progress for this reporting period.

First-Cycle Training Sessions - 100 percent complete.

First-Cycle Evaluations - 100 percent complete.

(First) Course Revision And Adjustment - 100 percent complete.

Second-Cycle Training Sessions - 100 percent complete.

Second-Cycle Evaluations - 100 percent complete.

(Second) Course Revision And Adjustment - 75 percent complete as compared to 100 percent complete on the original schedule. For the revised schedule, it is about 85 percent complete, compared to a scheduled completion of 100 percent.

Third-Cycle Training Sessions - Scheduled for September - October

Third-Cycle Evaluations - Scheduled for September - October

Equipment Management Course - Scheduled for August.

Contractor Orientation Course - Scheduled for August.

Upper Echelon Management Course - Tentatively scheduled for sometime in the time frame August through October.

## **5.4 U.S.A/Third Country Training**

### **5.4.1 General**

This major activity represents about 25 percent of the total program. Achieved progress on 30 June was about 85 percent, compared with a scheduled progress of 100 percent. For the revised schedule, the achieved progress was about 72 percent, compared with a scheduled progress of about 80 percent.

### **5.4.2 Program Preparation**

This secondary activity is about 92 percent complete for the original schedule, as compared with a scheduled completion of 100 percent. For the revised schedule, it is about 92 percent complete, as compared with a scheduled completion of 92 percent. In the revised schedule, most of the additional training activities have been scheduled for the last half of C.Y. 1985, which accounts for achieved progress being the same as scheduled progress for this reporting period.

### **5.4.3 Program Implementation**

This secondary activity is about 75 percent complete for the original schedule, as compared with a scheduled completion of 100 percent. For the revised schedule, both achieved and scheduled progress are the same — about 70 percent.

First U.S.A. Training/Observation Session - 100 percent complete.

Second U.S.A Training/Observation Session - Tentatively scheduled for July - October; with one participant for four weeks and two participants for a period of seven weeks each.

First AIT Session - 100 percent complete.

Second AIT Session - This session was originally scheduled for December 1984, then it was rescheduled for February 1985, and again rescheduled for June 1985. Once again the target date could not be met, so it is now tentatively rescheduled for August - September 1985. On the revised schedule, completion has been estimated at about 45 percent.

Evaluate AIT Sessions - The evaluation of the first AIT session is 100 percent complete, but the evaluation of the second session is scheduled for August-October. Hence, current progress is set at 60 percent on the revised schedule.

## **5.5 Report Preparation**

### **5.5.1 General**

This primary activity, which represents only about 5 percent of the total training program, was about 98 percent complete on 30 June, which compares very favorably with the scheduled completion of 100 percent. For the revised schedule, it is about 76 percent complete, which is also the scheduled completion for this reporting period.

### **5.5.2 Project Training Report**

For the original schedule, this secondary activity is about 98 percent complete, as compared with a scheduled completion of 100 percent. For the revised schedule, the achieved completion and the scheduled completion are the same — 70 percent.

### **5.5.3 Audio-Visual Presentations**

For the original schedule, this secondary activity is about 98 percent complete, as compared with a scheduled completion of 100 percent. For the revised schedule, both the achieved completion and the scheduled completion are the same as for the original schedule — 98 percent.

## **6.0 CONSTRUCTION SYSTEM AND SUPERVISION**

### **6.1 General**

All three districts reported that a good deal of production time was lost due to the Eid-ul-Fitr holidays during the third week of this reporting period. Heavy rains and flooding have hampered work in both Sylhet and Faridpur both before and following the aforementioned holidays. Rangpur reported that the loss of a roller during the last half of this reporting period also had a very negative effect on progress achieved in that district.

In general, the overall progress achieved at the end of this mid-year reporting period was encouraging. It is particularly exciting to note that Rangpur's overall progress is much better than had been anticipated.

Photographs of construction activities in both Rangpur and Faridpur may be found in Appendix "C".

### **6.2 Sylhet District**

Exhibit II is a map of the (old) Sylhet District, on which have been marked, with appropriate symbols and numbers, both the maintenance and the construction projects in the Sylhet District.

Exhibit III, consisting of 7 sheets, lists all the construction projects in the Sylhet District, by road and by fiscal year in which programmed. The "Serial Number" has no significance other than to serve as a simple symbol for locating the project on its respective map.

Exhibit IV, consisting of 3 sheets, contains bar charts and progress curves for those projects that are currently active.

### **6.3 Rangpur District**

Exhibit V is a map of the (old) Rangpur District, on which have been marked, with appropriate symbols and numbers, both the maintenance and the construction projects in Rangpur District.

Exhibit VI, consisting of 8 sheets, lists all the construction projects in the Rangpur District, by road and by fiscal year in which programmed. The "Serial Number" has no significance other than to serve as a simple symbol for locating the project or its respective map.

Exhibit VII, consisting of 5 sheets, contains the bar charts and progress curves for those projects that are currently active.

### **6.4 Faridpur District**

Exhibit VIII is a map of the (old) Faridpur District, on which have been marked, with appropriate symbols and numbers, both the maintenance and the construction projects in Faridpur District.

Exhibit IX, consisting of 5 sheets, lists all the construction projects in the Faridpur District, by road and by fiscal year in which programmed. The "Serial Number" has no significance other than to serve as a simple symbol for locating the project on its respective map.

Exhibit X, consisting of 6 sheets, contains the bar charts and progress curves for those projects that are currently active.

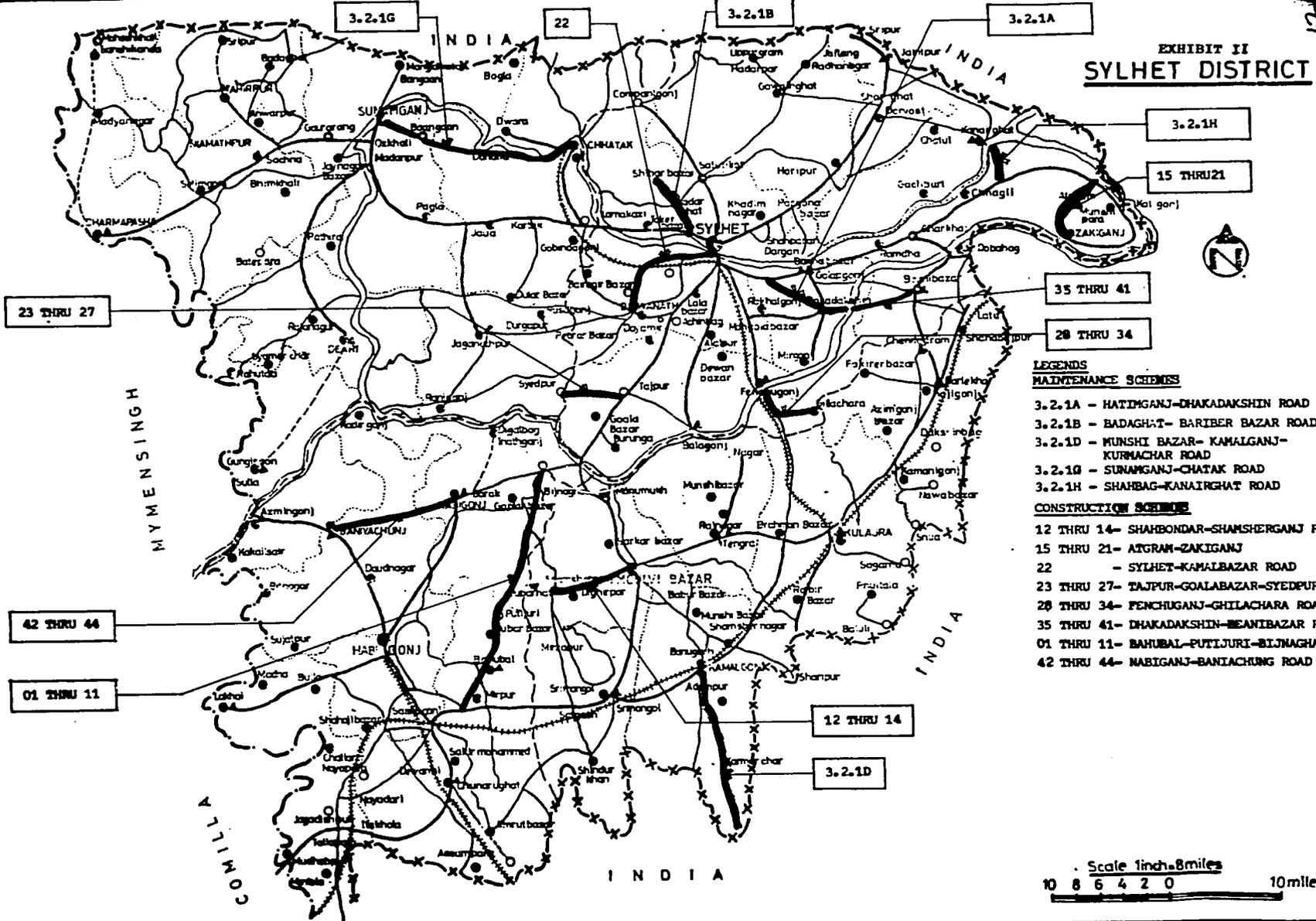
## **7.0 PROCUREMENT OF EQUIPMENT**

### **7.1 Local Procurement**

#### **7.1.1 General**

The PIL for both Local and International Procurement has been signed by USAID, but, as of the end of this reporting period, BDG has not signed these basic documents.

**EXHIBIT II  
SYLHET DISTRICT**



## Exhibit III - CONSTRUCTION SUPERVISION PROJECTS - SYLHET

Sheet 1 of 7

Serial Number	Contract Identification	Description Of work Order	Percent Complete	Current Comments
<u>Bahubal - Putijuri - Bijnaghat Road</u>				
<u>1982 - 1983 Projects</u>				
01	ZAMI/11/82-83	Bituminous pavement	100	Final bill processed
<u>1983 - 1984 Projects</u>				
02	ZAMI/01/83-84	Bituminous pavement (250 m) Contract Price: Tk 294,314	100	<del>Final bill processed - Completed 12/84 - 30 m section requires reconstruction.</del>
03	ZAMI/02/83-84	Box Culvert (15.3 m) (Putijuri) Contract Price: Tk 350,598	100	<del>Final bill processed - Completed 01/85</del>
04	ZAMI/03/83-84	Box Culverts, 2 nos. (Kazurat & Burigao) Contract Price: Tk 268,850	100	<del>Final bill processed - Completed 09/84</del>
05	ZAMI/04/83-84	Box Culverts, 3 nos. (Revised) (Fultoli & Kandiyan)	100	<del>Final bill processed - Completed 09/84</del>
06	ZAMI/05/83-84	Box Culvert (Nargoon) Contract Price: Tk 159,710	100	<del>Final bill processed - Completed 09/84</del>
07	ZAMI/06/83-84	Box Culverts, 4 nos. (Revised) (Kazipur, Aingoon, & Tampur)	100	<del>Final bill processed - Completed 02/85</del>
08	ZAMI/07/83-84	RCC Pipe Culverts, 14 nos. (Revised)	100	<del>Final bill processed - Completed 03/85</del>
<u>1984 - 1985 Projects</u>				
09	ZAMI/10/84-85	Bituminous pavement (Putijuri), 1.5 km Contractor: Mr. Abdul Khaliq Contract Price: Tk 1,825,174	<u>80</u>	<del>With the exception of 30 m of bridge approach, the WBM is complete. The bridge approaches are narrow and not up to grade. About 750 m of semi-grouting is complete, but more bitumen must be used if satisfactory results are to be attained. Two RA bills have been processed.</del>
10	ZAMI/11/84-85	Box Culverts, 3 nos. (Revised) Contractor: Mr. Bablu Das Contract Price: Tk. 693,092	<u>100</u>	<del>Final bill processed - Completed 05/85 - Some remedial approach work remaining.</del>
11	ZAMI/12/84-85	Reconstruct existing bridge slabs, 8 nos. (Corrected) Contractor: Mr. Saleh Ahmed Contract Price: Tk 631,219	<u>95</u>	<del>Neither the work quality, nor the progress is satisfactory. Since the demolition of existing slab and abutments is difficult by hand methods, the work is sometimes not carried out to the intended grade level. Furthermore, approach work is not done to full width and grade. Eight structures have been reconstructed, but the finish work on some of these is not complete. Two RA bills have been processed.</del>



Serial Number	Contract Identification	Description Of work Order	Percent Complete	Current Comments
<u>At gram - Zakiganj Road</u>				
<u>1982 - 1983 Projects</u>				
15	LKRL/16/t2-83	bituminous pavement (2 km) Contract Price: Tk 1,433,834	100	<u>Final bill processed.- Completed 09/84</u>
<u>1983 - 1984 Projects</u>				
16	LKRL/09/t3-84	box Culvert (23 m) Contractor: Mr. A. Mumith Khan Contract Price: Tk 546,150	100	<u>Final bill held in abeyance for completion of approaches</u>
17	LKRL/10/t3-84	bituminous pavement (1.78 km) Contract Price: Tk 1,594,469	100	<u>Final bill processed - Completed 12/84</u>
18	LKRL/12/t3-84	leveling course (4.51 km) Contractor: Mr. Amituzzaman Chowdhury Contract Price: Tk 1,278,722	100	<u>Final bill processed - Completed 03/85</u>
<u>1984 - 1985 Projects</u>				
19	LKRL/13/t4-85	bridge (revised to box Culvert) (31 m) Contractor: Mr. Rezaul Karim Contract Price: Tk 963,930	70	<u>Because of the continuing heavy rainfall and the Eid holidays, the contractor was not able to make much additional progress during this reporting period.</u>
20	LKRL/14/t4-85	RCC Pipe Culverts, 15 nos. Contractor: J.C. & Co. Contract Price: Tk 256,978	10	<u>There has been no further progress during this reporting period. The contract should be canceled and re-tendered under the '85-'86 program.</u>
21	LKRL/15/t4-85	bridge (revised to 3 nos. box culverts) (56 m)		
	25A & C	box Culverts, 2 nos. (8 m) Contractor: Mr. Abdul Mumith Khan Contract Price: Tk 557,782	90	<u>Both of these structures are now complete. During this reporting period, the contractor has been working to complete the approaches and to clean the inlets and outlets.</u>
	25 B	box culvert (14.4 m) Contractor: M/S Mukthakim Corp.	15	<u>Two RA bills have been processed. This site remains flooded; no additional work accomplished.</u>

Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Sylhet - Kamal Bazar Road</u>				
<u>1982 - 1983 Projects</u>				
22	LKH/19/82-83	Bituminous pavement, 3.6 km Contract Price: Tk 1,360,010	100	Final bill processed - Completed 10/84
<u>Tajpur - Goalabazar - Syedpur - Khadiapur Road</u>				
<u>1982 - 1983 Projects</u>				
23	LKH/20/82-83	RCC Pipe Culverts, 13 nos. (Revised) Contract Price (Original): Tk 149,940	100	Final bill processed - Completed 10/84
24	LKH/21/82-83	Box Culvert Contract Price: Tk 92,150	100	Final bill processed - Completed 06/84
<u>1983 - 1984 Projects</u>				
25	LKH/12/83-84	Bituminous pavement (Revised), 350 m Contract Price (Original): Tk 675,675	100	Final bill processed -
26	LKH/13/83-84	Box Culvert (20.1 m) (New Market) (Revised) Contractor: Mr. Shahid Chowdhury Contract Price: Tk 746,486	100	Final bill processed - Completed 04/85  Final processing delayed for completion of approach work.
<u>1984 - 1985 Projects</u>				
27	LKH/10/84-85	Bridge (31 m) (Shayabandar) (Revised to 24.4 m Box Culvert) Contract Price: Tk 944,150	45	The completed portions of this work are still under water; hence, there has been no additional progress during this reporting period.  One RA bill has been processed.

Serial Number	Contract Identification	Description of Work Order	Percent Complete	Current Comments
<u>Fenchuganj - Maijgaon - Ghilachara Road</u>				
<u>1982 - 1983 Projects</u>				
28	ZKMI/22/82-83	bituminous pavement, 800 m (Maijgaon) Contractor: Mr. Ziaul Islam Contract Price: Tk 747,545	100	<u>Final bill being processed - Completed 05/85</u>
29	ZKMI/23/82-83	RCC Pipe Culverts, 6 nos. Contractor: M/S Ayra and Co. Contract Price: Tk 96,602	100	<u>Final bill processed - Completed 05/85</u>
<u>1983 - 1984 Projects</u>				
30	ZKMI/14/83-84	earthwork and leveling course (2.8 km) (Revised) Contractor: Mr. Shahid Chowdhury Contract Price (Original): Tk 1,640,415	100	<u>Final bill processed - Completed 05/85 Contractor is still performing remedial measures to correct eroded shoulders, and in final sloping of the shoulders.</u>
<u>1984 - 1985 Projects</u>				
31	ZKMI/17/84-85	bituminous pavement (0.925 km) Contractor: Mr. Shahid Chowdhury Contract Price: Tk 764,537	30	<u>This work order was issued on 05 May 1985, and the contractor has mobilized quickly. He is still preparing accretes for WBM.</u>
32	ZKMI/18/84-85	Leveling course and Earthwork (2.8 km) Contractor: Mr. Masieh Uddin Chowdhury Contract Price: Tk 455,730	95	<u>The contractor has completed the placing of the leveling course. Much side ditch work and shoulder work remains to be finished, but no workers have been on site.</u>  <u>Two RA bills have been processed.</u>
33	ZKMI/19/84-85	Box Culverts, 2 nos. (6.8m & 3.6 m) Contractor: Mr. Kazi Munif Uddin Ahmed Contract Price: Tk 362,460	100	<u>Final bill being processed - Completed 05/85</u>
34	ZKMI/20/84-85	Box Culverts, 6 nos. (1.5 m) Contractor: Mr. Abdul Guayum Contract Price: Tk 362,460	100	<u>Final bill being processed - Completed 04/85</u>

Exhibit III - CONSTRUCTION SUPERVISION PROJECTS - SYLHET

Sheet 6 of 7

Serial Number	Contract Identification	Description Of work Order	Percent Complete	Current Comments
<u>l h a k a d a k s h i n - B e a n i b a z a r R o a d</u>				
<u>1982 - 1983 Projects</u>				
35	LAMI/24/82-83	Earthwork and bituminous pavement (1.2 km) : (Revised) Contractor: Mr. Khalilur Rahman Contract Price: Tk 1,105,408	<u>100</u>	<u>Final bill processed - Completed 05/85</u>
36	LAMI/25/82-83	RCC Pipe Culverts, 6 nos. (Revised) Contractor: Mr. Habibur Rahman Contract Price (Original): Tk 65,732	<u>100</u>	<u>Final bill processed - Completed 04/85</u>
<u>1983 - 1984 Projects</u>				
37	LAMI/15/83-84	Box Culvert (Noakhali) (Revised) Contractor: Mr. Babul Ahmed Contract Price (Original): Tk 221,025	<u>100</u>	<u>Final bill processed. Because of poor quality of workmanship and failure to meet specifications, no payment will be certified for four of the five structures.</u>
38	LAMI/16/83-84	Earthwork and Bituminous pavement, (2.45 km) (Revised) Contractor: Mr. Khalilur Rahman Contract Price (original): Tk 1,981,042	<u>98</u>	<u>Final bill being held in abeyance pending repairs and repaving of pavement portions damaged by embankment settlement.</u>
<u>1984 - 1985 Projects</u>				
39	LAMI/21/84-85	Box Culvert (5.2 m) and Retaining wall (Chakchakshin) Contract Price: Tk 299,096	<u>100</u>	<u>Final bill processed - Completed 05/85</u>
40	LAMI/22/84-85	Box Culvert (26.5 m) (Lula River) (Revised) Contract Price (Original): Tk 940,561	<u>70</u>	<u>Contractor is attempting to complete his work, but high water and heavy rainfall has hampered his efforts.</u> <u>One RA bill processed.</u>
41	LAMI/23/84-85	bridge (66 m) (Madhajuri)	<u>50</u>	<u>High water levels continue to hinder the work on this project.</u> <u>One RA bill has been checked by the Consultants.</u>

Exhibit III - CONSTRUCTION SUPERVISION PROJECTS - SYLHET

Sheet 7 of 7

Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>N a b i g a n j - B a n i y a c h u n g R o a d</u>				
<u>1963 - 1964 Projects</u>				
42	LNI/17/63-64	Box Culvert (14.76 m) (Nabiganj) Contract Price: Tk 623,175	100	Final bill processed. Contractor advised that any further settlement of approaches must be rectified by him during the guarantee period.
<u>1964 - 1965 Projects</u>				
43	LNI/24/64-65	Box Culvert (10.1 m) (Barrakhal) Contractor: M/S Sonawar and Co. Contract Price: Tk 429,128	100	<u>Final bill being processed - Completed 05/85. The approaches have not yet been completed in a satisfactory manner. Final bill will be held in abeyance until the contractor complies with all instructions.</u>
44	LNI/25/64-65	Box Culverts, 3 nos. 3.6 m and one 5.2 m Contractor: M/S Sonawar and Co. Contract Price: Tk 822,546	65	<u>The contractor on these structures did not stockpile sufficient materials at each of the sites, as was recommended. Consequently, he will be unable to complete this contract as scheduled.</u> <u>One RA bill has been processed.</u>

EXHIBIT - IV

BAR CHARTS

PROJECT SCHEDULES AND CURRENT STATUS

SYLHET DISTRICT

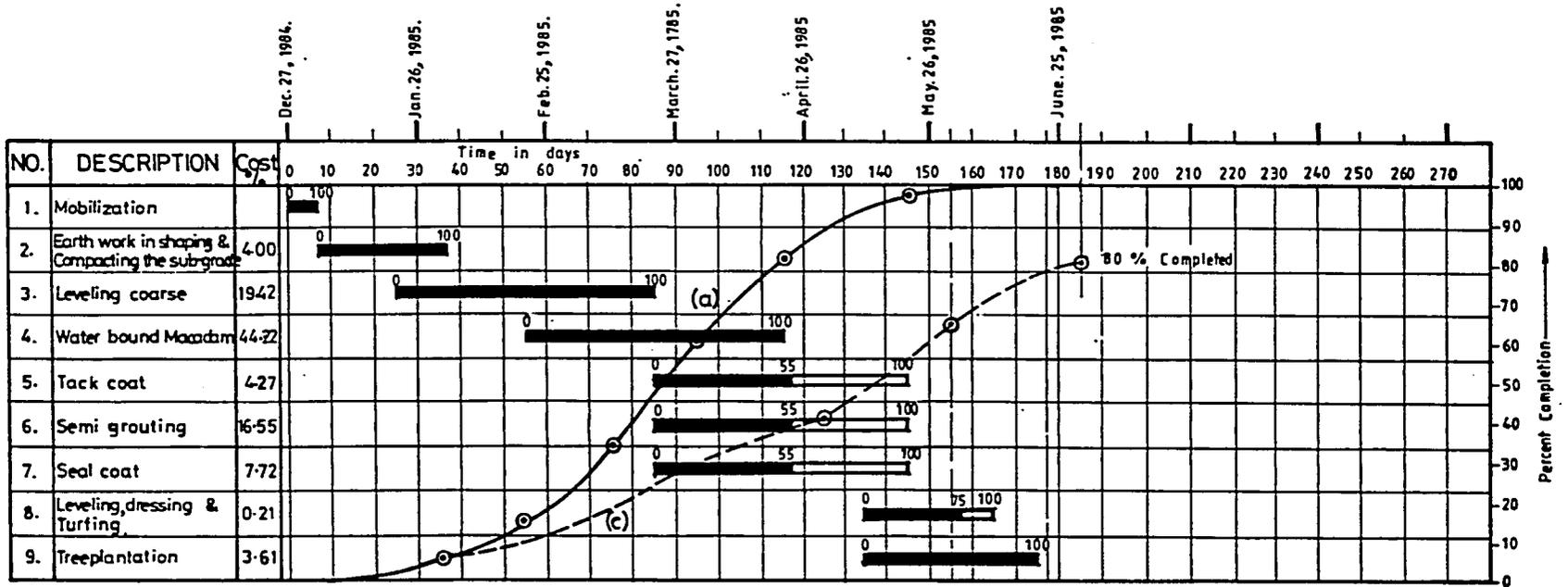
# SYLHET DISTRICT

## Construction of 150km.Bituminous Pavement Work on BAHUBAL-PUTIJURI-BIJNAGHAT ROAD. (ZRMI-10/1984-85)

- (a) Schedule Progress
- (b) Revised Schedule
- (c) Actual Progress

Estimated Cost : Tk. 16, 59,400-00  
 Contract Cost : Tk. 18, 25,174.00  
 Scheduled Starting date : Dec. 27, 1984  
 Actual Starting date : Jan. 02, 1985  
 Scheduled Completion date : June. 27, 1985  
 Actual Completion date :  
 Revised Cost : Tk.  
 Date of revision :

- 12 -



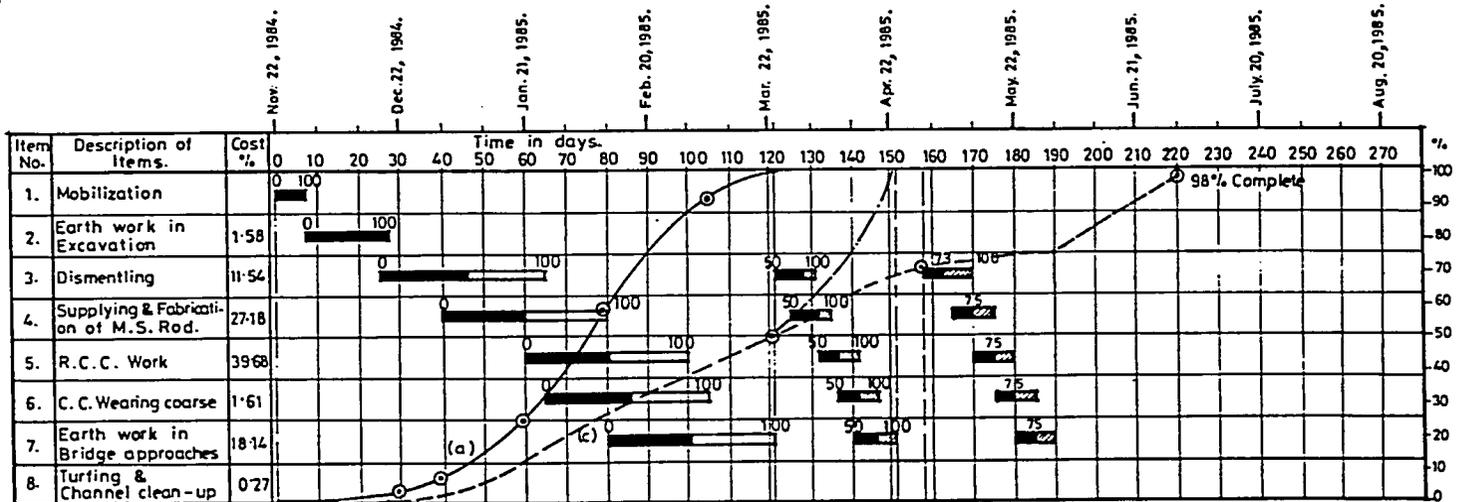
## SYLHET DISTRICT

Reconstruction of Slabs 3 Nos.3-65m Spans & 5 Nos.4-50m. Spans at Existing Culverts on Bahubal - Putizuri - Bijnaghat Road(ZRMI/2/84-85)

- (a)  ———— Schedule Progress
- (b)  - - - - - Revised Schedule
- (c)  - - - - - Actual Progress

Estimated Cost : Tk. 5,79,100-00.  
 Contract Cost : Tk. 6,31,219-00.  
 Scheduled Starting date: Nov. 22, 1985.  
 Actual Starting date: Jan. 20, 1985.  
 Scheduled Completion date: Mar. 23, 1985.  
 Revised Completion date: Apr. 23, 1985.  
 Revised Cost: Tk.  
 Date of Revision

- 22 -



## SYLHET DISTRICT

Construction of 2 Nos.5\*20m.long,1No.3\*60m.long,&1No.1\*50m.long  
Box Culvert on NABIGONJ- BANIACHONJ ROAD (ZRMI/25/84-85)

- (a)  Schedule Progress  
 (b)  Revised Schedule  
 (c)  Actual Progress

Estimated Cost: Tk. 7,91,900'00.  
 Contract Cost: Tk. 8,22,546'00.  
 Scheduled Starting date: Nov. 20, 1984.  
 Actual Starting date: Feb. 27, 1985.  
 Scheduled Completion date: April 11, 1985.  
 Actual Completion date: \_\_\_\_\_  
 Revised Cost: Tk. \_\_\_\_\_  
 Date of revision: \_\_\_\_\_

- 23 -

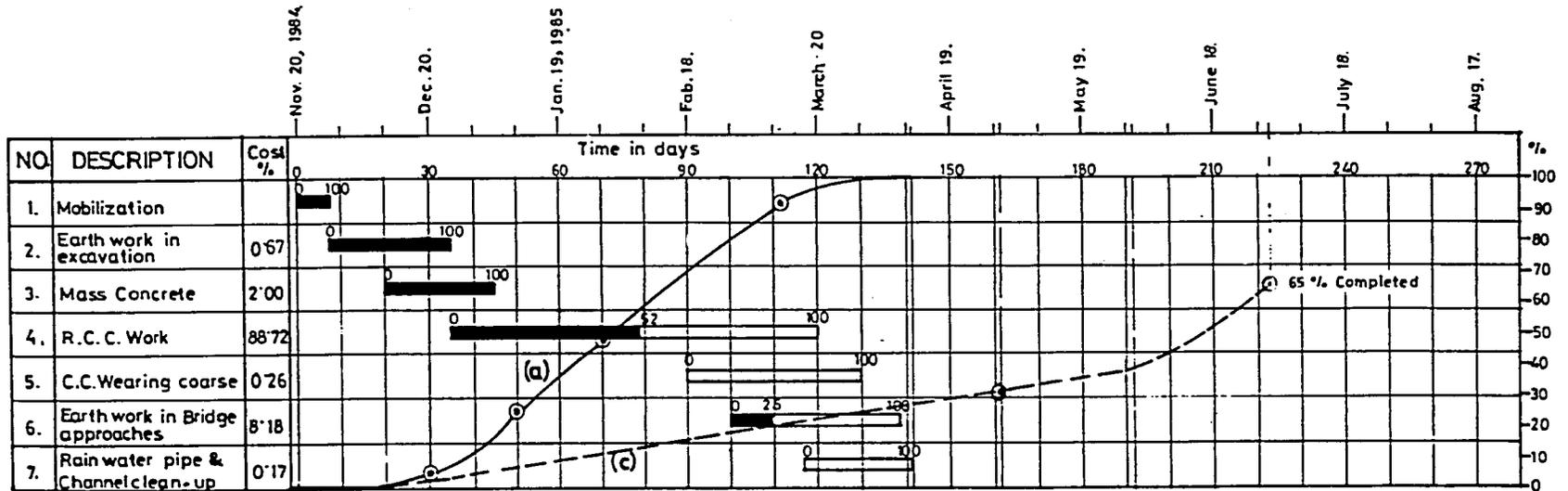


EXHIBIT V  
RANGPUR DISTRICT

24



LEGEND

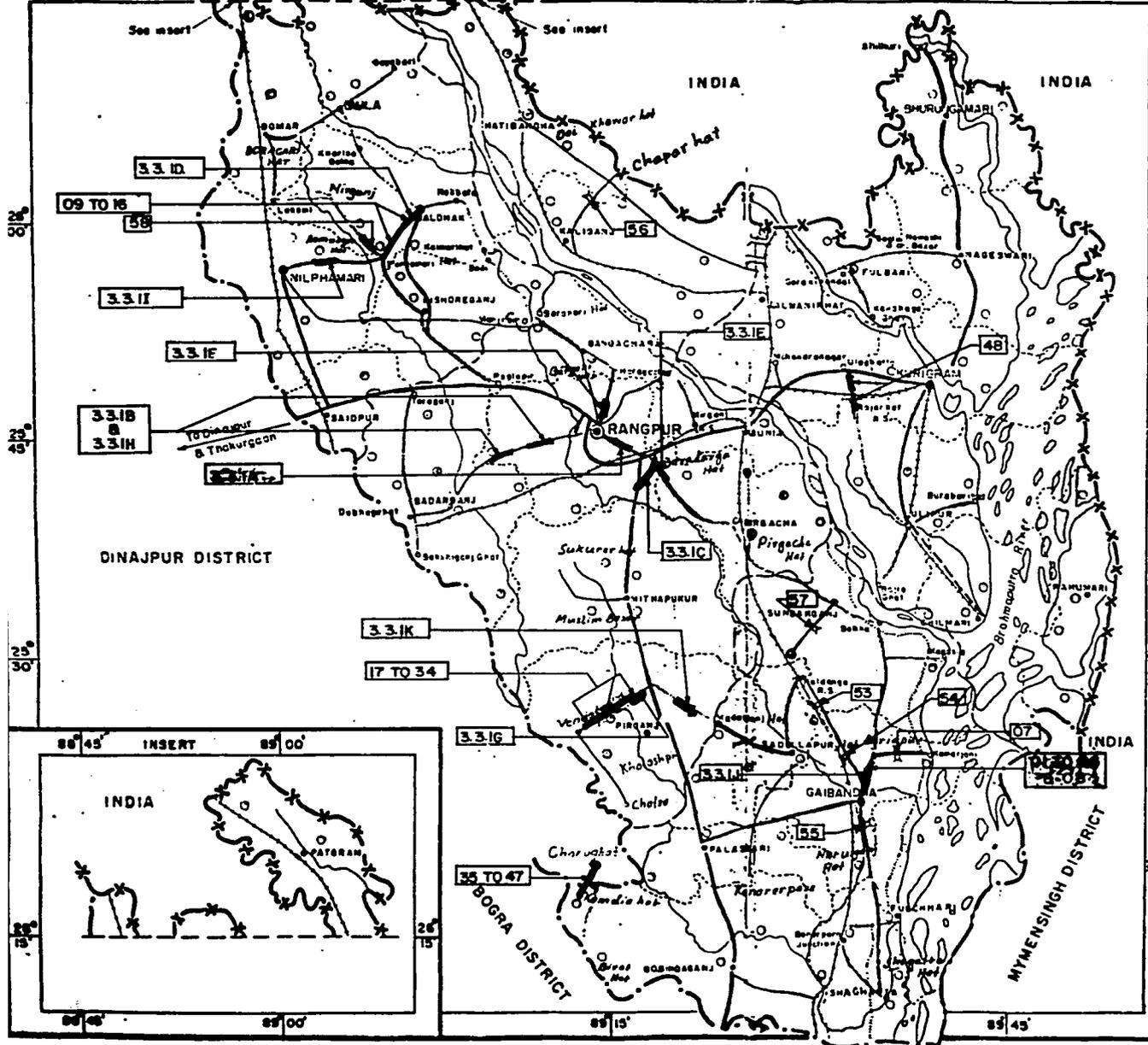
MAINTENANCE SCHEMES

1983-84	3-3.1A	RANGPUR-MAHIGANG I
	3-3.1B	RANGPUR-BARDARGANG I
1984-85	3-3.1C	MAHIGANG-DANDARA R
	3-3.1D	NIJIGANG-JALDHAKA R
	3-3.1E	RANGPUR-SUNDARGANG
	3-3.1F	RANGPUR-KAKHA ROAD
	3-3.1G	BARDARGANG-BHENDARA
	3-3.1H	RANGPUR-BARDARGANG I
	3-3.1I	NILPHAMARI-JALDHAKA
	3-3.1J	GATBANDHA-KAMARJANI
	3-3.1K	GATBANDHA-SATULAH

CONSTRUCTION SCHEMES (1982-83, 83-84 & 84-85)

01	THRU 08	GATBANDHA-KAMARJANI ROAD
09	THRU 16	KIRGANJ-JALDHAKA ROAD
17	THRU 34C	BARDARGANG-BHENDARA ROAD
35	THRU 47	KAKHA-CHORAGHAT ROAD
48	THRU 52	RAJAHAT-ULLACHATA ROAD
53	THRU 54	GATBANDHA-BARDARGANG ROAD
55		BRIDGE ON GATBANDHA-SAGEL
56		CULVERT ON KALIGANG-CHAP
57		CULVERT ON BARDARGANG-SU

Scale: 1 inch = 9 Miles (Approx)



Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Gaibandha - Kamarjani Road</u>				
<u>1982 - 1983 Projects</u>				
01		H6B, 3.8 km Contract Price: Tk 1,877,699	100	Final bill being processed - Completed 04/84
<u>1983 - 1984 Projects</u>				
02	Group A	bituminous pavement, 900 m Contractor: Mr. Shamsul Aziz Contract Price: Tk 585,866	76	Bituminous paving proceeding at a very slow pace.
03	Group B	bituminous pavement, 900 m Contractor: Mr. Shamsul Aziz Contract Price: Tk 585,866	52	The XEN canceled this work order on 17/04/85, and reinstated it on 06/06/85. Bituminous paving is underway, but progress is very poor.
04	Group C	Bituminous pavement, 900 m Contractor: Mr. Shahjahan Khan Atou Contract Price: Tk 585,867	84	Very little work was accomplished during this reporting period.
<u>1984 - 1985 Projects</u>				
05	Group 1a	Bituminous pavement, 520 m Contractor: Mr. M.N. Nabi Lahu Contract Price: Tk 460,000	33	During this reporting period, work was limited to material accumulation at the job site. No paving work was accomplished.
06	Group 1b	bituminous pavement, 520 m Contractor: Mr. Tapan Kuman Sarker Contract Price: Tk 449,840	75	Bituminous paving work was moving along, albeit at a slow pace.
07	C - 4	RCC bridge, 10 ft. (Gariapur) Contractor: Mr. Gelal Uddin Contract Price: Tk 161,500	70	Abutment brick work was complete to the deck slab level. Progress on this job is very slow.
08	B - 6	RCC bridge, 20.4 m (Kumarpara)	---	For lack of funds, no work order has been issued to date.

25-

- 22 -

Serial Number	Contract Identification	Description of work Order	Percent Complete	Current Comments
<u>Mirganj - Jalchaka Road</u>				
<u>1982 - 1983 Projects</u>				
09	Groups A, B, & C	bituminous pavement, 1.4 km Contract Price: Tk 872,110	100	Final bill being processed - Completed 05/84
10	Group B	Bituminous pavement, 460 m Contractor: Mr. Ismail Contract Price: Tk 292,168	100	Final bill being processed - Completed 05/84
11	Group E	bituminous pavement Contractor: Mr. Lotus	100	Final bill being processed - All scheduled work completed. Some work under revised estimate still to be completed and bill processed.
<u>1983 - 1984 Projects</u>				
12	Group A	Bituminous pavement, 850 m Contractor: M/S Shahed and Co. Contract Price: Tk 759,730	100	Final bill being processed. Some shoulder maintenance is required.
13	Group B, B-1, & C-2	Bituminous pavement, 1.7 km Contract Price: Tk 1,304,281	100	All work has been completed. Final bill will be processed after the revised estimate problem has been solved.
11	Group B	bituminous pavement		Transferred to 1.84 - 1983 Projects as Group B
<u>1984 - 1985 Projects</u>				
14	Group 3-A	bituminous pavement, 670 m Contractor: Mr. Yamula Ali Contract Price: Tk 566,426.02	100	Final bill processed
15	Group 3-B	bituminous pavement, 670 m Contractor: Mr. Shamsul Haque Contract Price: Tk 633,600.36	100	Final bill processed
16	Group 3-C	bituminous pavement, 670 m Contractor: Mr. Atiar Rahman Contract Price: Tk 615,472.35	100	All work has been completed. Final bill will be processed after the revised estimate has been solved.

Serial Number	Contract Identification	Description of Work Order	Percent Complete	Current Comments
<u>Barodarga - Bhendabari Road</u>				
<u>1982 - 1983 Projects</u>				
17	Groups A & B	Bituminous pavement, 880 m Contract Price: Tk 557,965	100	<u>Final bill being processed</u>
18	Groups C, D-1, & D-2	Bituminous pavement, 670 m Contract Price: Tk 431,263	100	<u>Final bill being processed</u>
19	Group D-2	Bituminous pavement, 220 m Contractor: Mr. Momen Bookura Contract Price: Tk 141,657	100	<u>Final bill being processed</u>
<u>1983 - 1984 Projects</u>				
20	Group A	Bituminous Pavement, 950 m Contractor: Mr. Md. Kazi Ish Contract Price: Tk 732,253	100	<u>Final bill being processed</u>
21	Group B	Bituminous Pavement, 970 m Contractor: M/S Eastern Boring Construction Contract Price: Tk 728,636	100	<u>Final bill being processed</u>
22	Group C	Bituminous Pavement, 900 m Contractor: Mr. Muckleshur Rahman Contract Price: Tk 670,673	100	<u>Final bill being processed</u>
23	Group D	Bituminous Pavement, 940 m Contractor: Mr. Jahirul Haque Contract Price: Tk 676,546	100	<u>Final bill being processed</u>
24	Group E	Bituminous Pavement, 970 m Contractor: M/S Raihan Construction Contract Price: Tk 666,308	100	<u>Final bill ready for processing</u>
25	Group F	Bituminous Pavement, 1.01 km Contractor: M/S Rakaria Khan Contract Price: Tk 727,772	90	<u>WBM complete and bituminous paving underway.</u>
<u>1984 - 1985 Projects</u>				
26	Group 1(A)A	Bituminous pavement, 500 m Contractor: M/S National Construction Contract Price: Tk 610,196.13	100	<u>Final bill being processed</u>
27	Group 2(a)B	Bituminous pavement, 500 m Contractor: Mr. Ekramul Haque Contract Price: Tk 621,261.87	100	<u>Final bill processed</u>

Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Sarodarga - Bhendabari Road (Cont.)</u>				
<u>1984 - 1985 Projects (Cont.)</u>				
26	Group 2(a)C	Bituminous pavement, 500 m Contractor: Mr. Moklesur Rahman Contract Price: Tk 594,169	<u>53</u>	<u>WBM practically complete, but progress rate is very slow.</u>
29	Group 2(b)A	Bituminous pavement Contractor: Mr. Shamsul Haque Contract Price: Tk 627,534.82	<u>33</u>	<u>No additional work accomplished during this reporting period. Work progress is unsatisfactory.</u>
30	Group 2(b)B	Bituminous pavement, 470 m	<u>100</u>	<u>Final bill processed</u>
31	C - 1	RCC box Culvert, 2.4 m (Gurjipara) Contractor: Mr. A. Hamid Contract Price: Tk 110,952	<u>90</u>	<u>All RCC work complete</u>
32	C - 2	RCC Slab, 3.9 m (Gurjipara) Contractor: Mr. A. Hamid Contract Price: Tk 66,759	<u>100</u>	<u>Final bill being processed</u>
33	C - 3	Pipe Culvert, 1.2 m dia (Mile 2) Contractor: Mr. Rezaul Hasan Contract Price: Tk 36,092	<u>82</u>	<u>No additional work accomplished during this reporting period.</u>
34	C - 7	RCC Box Culvert, 3.03m (Mile 1) Contractor: Mr. Abdus Salam Contract Price: Tk 623,708.52	<u>50</u>	<u>Side-wall RCC work 50 percent complete. Progress on this work is very unsatisfactory.</u>
34A	Group 2(b)C	Bituminous Pavement, 470 m Contractor: Atmullah Khan Contract Price: Tk. 623,708.52	<u>53</u>	<u>WBM work is complete, but no further progress achieved during this reporting period.</u>
34B	B - 4	RCC Bridge 10.2 m (Sharifpur)	-	<u>No work order issued to-date.</u>
34C	A & B	Picking Up BMS Contractor: Mr. Atiar Rahman Contract Price: Tk. 62,619.02	<u>100</u>	<u>Final Bill processed.</u>

Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Kandia - Ghoraghat Road</u>				
<u>1962 - 1963 Projects</u>				
35	Groups A, C, & D	H&B, 2.33 km Contract Price: Tk 1,082,202	100	Final bill being processed
36	Group B	H&B, 780 m Contractor: Mr. Motlebur Rahman Contract Price: Tk 376,191	100	Final bill being processed
<u>1963 - 1964 Projects</u>				
37	Group A	H&B, 910 m Contractor: Mr. Amjad Ali Contract Price: Tk 533,500	100	Final bill processed
38	Groups B & C	H&B, 1.52 km Contract Price: Tk 670,878	100	Final bill processed
39	Group D	H&B, 910 m Contractor: Mr. Motlebur Rahman Contract Price: Tk 418,738	100	Final bill processed
<u>1964 - 1965 Projects</u>				
40	Group 4 (b)A	Bituminous pavement, 780 m Contractor: Mr. Mahbub Elahi Contract Price: Tk 750,325	35	Bituminous pavement work started the first week of this reporting period, but progress has been very slow. In the middle of the month, all work was suspended because the roller slid into the borrow pit.
41	Group 4 (b)B	Bituminous pavement, 780 m Contractor: M/S Padma Enterprises Contract Price: Tk 750,375	40	Bituminous pavement work started in the first week of this reporting period, but progress has been very slow. In the middle of the month, all work was suspended because the roller slid into the borrow pit.
42	Group 4 (b)C	Bituminous pavement, 780 m Contractor: M/S United Enterprises Contract Price: Tk 748,417.50	40	Bituminous pavement work started the first week of this reporting period, but progress has been very slow. In the middle of the month, all work was suspended because the roller slid into the borrow pit.
43	Group 4 (b)D	Bituminous pavement, 780 m Contractor: Mr. Abdullah Al Mahmud Contract Price: Tk 750,375	50	Bituminous pavement work started in the first week of this reporting period, but progress has been very slow. In the middle of the month, all work was suspended because the roller slid into the borrow pit.

Serial Number	Contract Identification	Description of work Order	Percent Complete	Current Comments
<u>Kamia - Ghoraghat Road (Cont.)</u>				
<u>1984 - 1985 Projects (Cont.)</u>				
44	Group 4 (a)A	bituminous pavement, 540 m Contractor: Mr. Kasim Uddin Sarkar Contract Price: Tk 663,165.90	33	Brick soling is complete, but WBM complete for only 182 m
45	Group 4 (a)B	bituminous pavement, 540 m Contractor: Mr. A.K.M. Showkat Ali Contract Price: Tk 663,167.05	45	Soling has not yet been completed for the full length, and WBM material has been spread over that soling portion which has been completed.
46	Group 4 (a)C	bituminous pavement, 540 m Contractor: Mr. Amjad Ali Contract Price: Tk 663,167.05	53	WBM is complete, and bituminous pavement has been placed for 140 m
<u>1982 - 1983 Projects (Cont.)</u>				
47		Tree afforestation Contractor: Mr. Salaiman Ahmed Contract Price: Tk 16,894	—	This project has been dropped.
<u>Rajarhat - Uliaghata Road</u>				
<u>1987 - 1988 Projects</u>				
48	Groups A & D	HBB, 1.48 km Contract Price: Tk 782,297	100 & 98	work 100 percent complete in Group D - Final bill processed Work 98 percent complete in Group A - Some maintenance work still needed on shoulders, edging, and HBB protection.
49	Groups B & C	HBB,	—	These projects have been canceled and the funds transferred to the Mirgani - Jaladhaka Road for HBB work after the Tanomari Bazar
<u>1983 - 1984 Projects</u>				
<u>1984 - 1985 Projects</u>				
50	B - 5	KCC Bridge, 24.4 m (Deulia Beel)	—	Tenders were received by the XEN's office, but work order could not be issued for lack of funds.

Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Rajarhat - Ullaghata Road (Cont.)</u>				
<u>15b4 - 15B5 Projects (Cont.)</u>				
51	B - 6	RCC Bridge, 14.2 m (Baddayar Bazar)	---	Tenders were received by the XEN's Office, but work order could not be issued for lack of funds.
52	B - 7	RCC Bridge, 14.2 m (Pangahat)	---	Tenders were received by the XEN's office, but work order could not be issued for lack of funds.
<u>Gaibandha - Naldanga Road</u>				
<u>15b4 - 15b5 Projects</u>				
53	B - 1	RCC Bridge, 6.1 m Contractor: Mr. Shamsul Huq Contract Price: Tk 281,300	57	Form work underway for deck slab RCC work.
54	B - 3	RCC bridge, 6.1 m (Kholshati) Contractor: Mr. Anwarul Azim Contract Price: Tk 317,724	90	RCC deck slab casting completed on 17/06/85. Contractor should proceed with approach development work during slab curing time.
<u>Gaibandha - Baghata Road</u>				
<u>15b4 - 15b5 Projects</u>				
55	B - 2	RCC bridge, 4.55 m Contractor: Mr. Ranjit Baksi Contract Price : Tk 202,686	100	Final bill being processed

Exhibit VI - CONSTRUCTION SUPERVISION PROJECTS - RANGPUR

Sheet 8 of 8

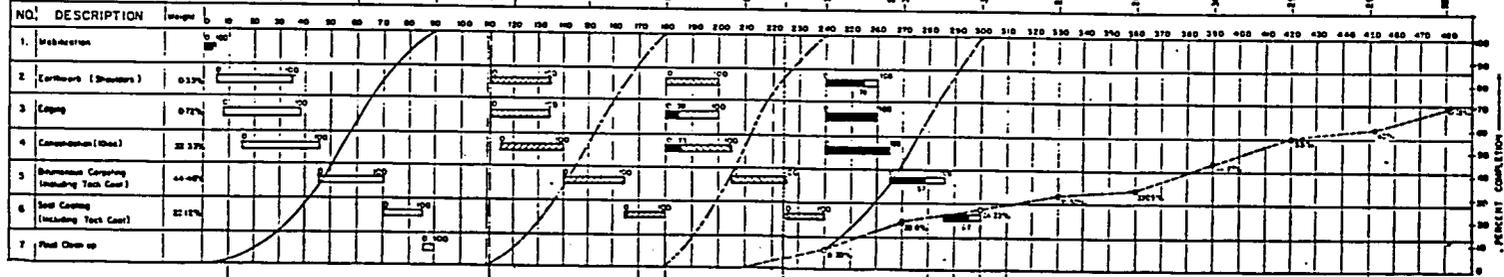
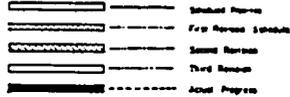
Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Chaperhat - Kaliganj Road</u>				
<u>1984 - 1985 Projects</u>				
56	C - 5	RCC Bridge, 3.03 m Contractor: Mr. Mofazzal Hossain Contract Price: Tk 140,000	<u>50</u>	<u>Work is proceeding, but progress is slow.</u>     
<u>Banandanga - Sundarganj Road</u>				
<u>1984 - 1985 Projects</u>				
57	C - 6	RCC Box Culvert, 3.03 m (Saitontola) Contractor: Mr. A.K.M. Kashem Contract Price: Tk 146,000	<u>100</u>	<u>Final bill processed</u>     
<u>Mirganj - Jaldhaka Road (Cont.)</u>				
<u>1984 - 1985 Projects</u>				
58	---	HBB, 1.82 km Contractor: Mr. Md. Yakub Ali Contract Price: Tk 1,054,048	<u>83</u>	<u>HBB complete for 1.4 km.</u>     

EXHIBIT - VII  
BAR CHARTS

PROJECT SCHEDULES AND CURRENT STATUS  
RANGPUR DISTRICT

**ZILA ROADS MAINTENANCE AND IMPROVEMENT PROJECT**  
**RANGPUR DISTRICT**  
**IMPROVEMENT OF GAIBANDHA KAMARJANI ROAD 1983-84**  
**KHOA CONSOLIDATION AND BITUMINOUS CARPETING**  
**ON EXISTING H.B.B**

Estimated Cost: Tk. 1890000  
 Contracted Cost: Tk. 1727288  
 Scheduled Starting Date: March 1, 1984  
 Actual Starting Date: -  
 Scheduled Completion Date: June 3, 1984  
 First Revised Completion Date: July 31, 1984  
 Second Revised Completion Date: October 31, 1984  
 Third Revised Completion Date: December 31, 1984  
 Date of Revision: June 24, 1984  
 Total Length: 5190 feet

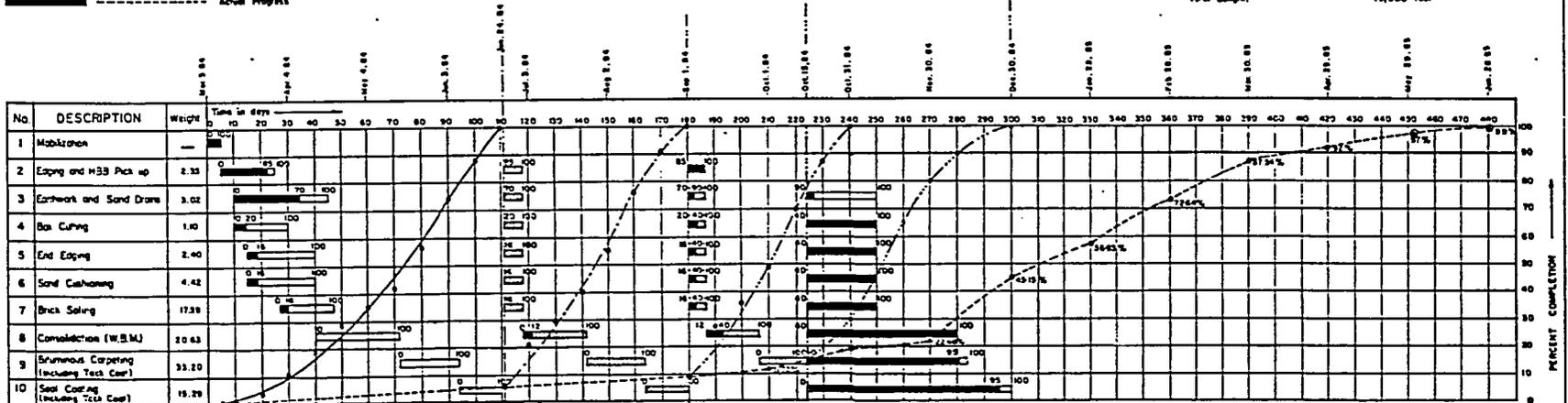


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**ZILA ROADS MAINTENANCE AND IMPROVEMENT PROJECT**  
**RANGPUR DISTRICT**  
**IMPROVEMENT OF BARODARGA-BHENDABARI ROAD 1983-1984**  
**BITUMINOUS CARPETING**  
**REVISED PROGRESS CHART**

Estimated Cost: Tk. 47,45,633  
 Original Contracted Cost: Tk. 42,02,900  
 Revised Contracted Cost: Tk. 46,39,186  
 Scheduled Starting Date: March 5, 1984  
 Actual Starting Date: March 18, 1984  
 Scheduled Completion Date: June 3, 1984  
 First Revised Completion Date: August 31, 1984  
 Second Revised Completion Date: October 31, 1984  
 Third Revised Completion Date: December 31, 1984  
 Days of Review: June 24, Sept. 1st, Oct. 15, 1984  
 Total Length: 19,000 feet

0 ——— 100 ——— Original Scheduled Progress  
 ——— First Revised Schedule  
 ——— Second Revision  
 ——— Third Revision  
 ——— Actual Progress



50  
170

PERCENT COMPLETION

## RANGPUR DISTRICT SCHEMES 1984-1985 ROADS CONSTRUCTION

Estimated Cost: Tk. 1,02,85,000-00

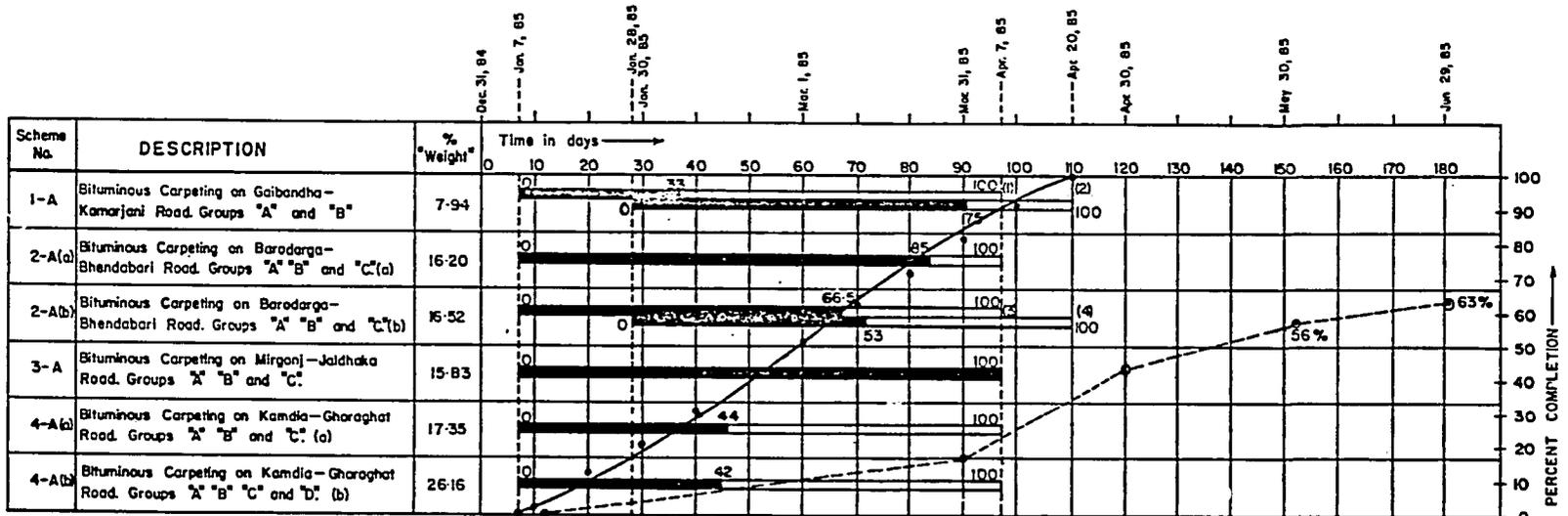
Contract Cost: Tk. 1,14,65,933-00

Scheduled Starting Dates: Jan. 7, and 28, 1985

Actual Starting Dates: Jan. 11, 85

Scheduled Completion Dates: Apr. 7 and 20, 1985

Scheduled Progress  
 Actual Progress



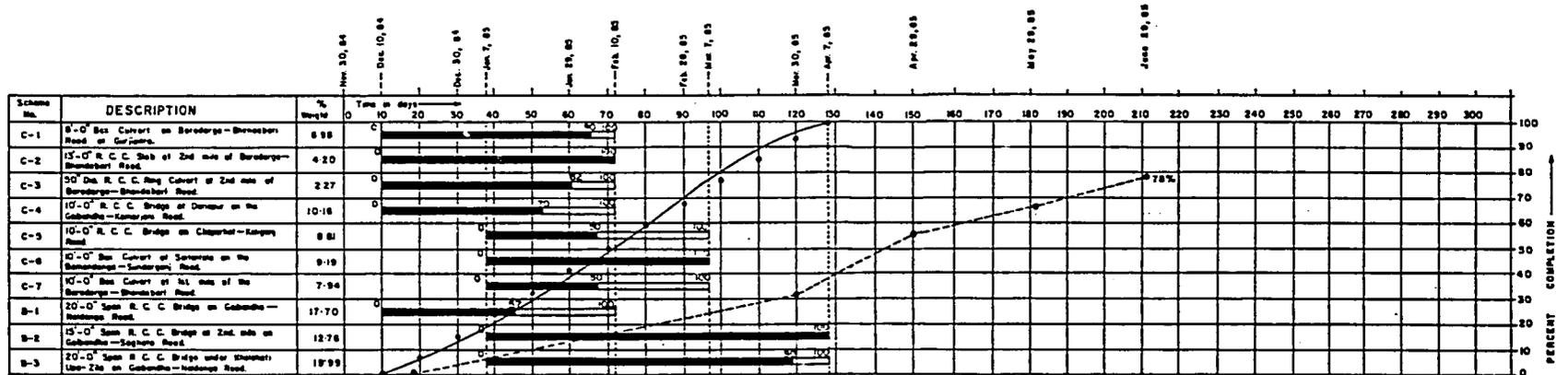
Notes: (1) Group "A". (2) Group "B". (3) Group "A" and "B". (4) Group "C".

(5) Gaibandha-Kamarjani and Kamdia-Ghoraghat Roads have been subdivided into two Schemes each.

**RANGPUR DISTRICT  
SCHEMES 1984-85  
BRIDGES AND CULVERTS CONSTRUCTION.**

Estimated Cost: Tk.15,90,000-00  
 Contract Cost: Tk.15,83,533-00  
 Scheduled Starting Date: Dec.10,1984 @ Jan.7, 1985  
 Actual Starting Date: Dec.17, 1984.  
 Scheduled Completions: Feb.10, & Mar.7, 1985.

————— Scheduled Progress  
 - - - - - Actual Progress



**RANGPUR DISTRICT  
SCHEMES 1984-1985  
COMBINED PROGRESS CHART**

Estimated Cost: Tk. 1,18,75,000-00

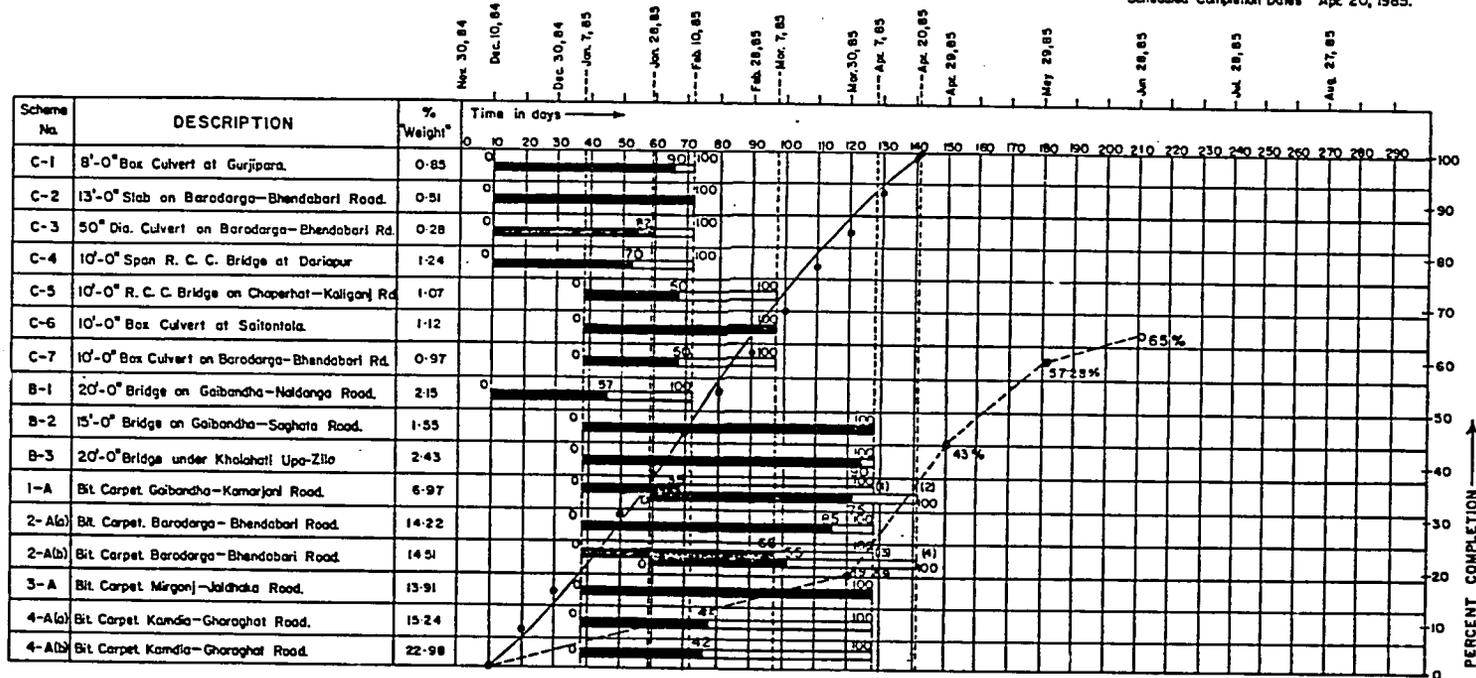
Contract Cost: Tk. 1,30,55,086-00

Scheduled Starting Date: Dec. 10, 1984

Actual Starting Date: Dec. 17, 1984

Scheduled Completion Date: Apr. 20, 1985

————— Scheduled Progress  
- - - - - Actual Progress



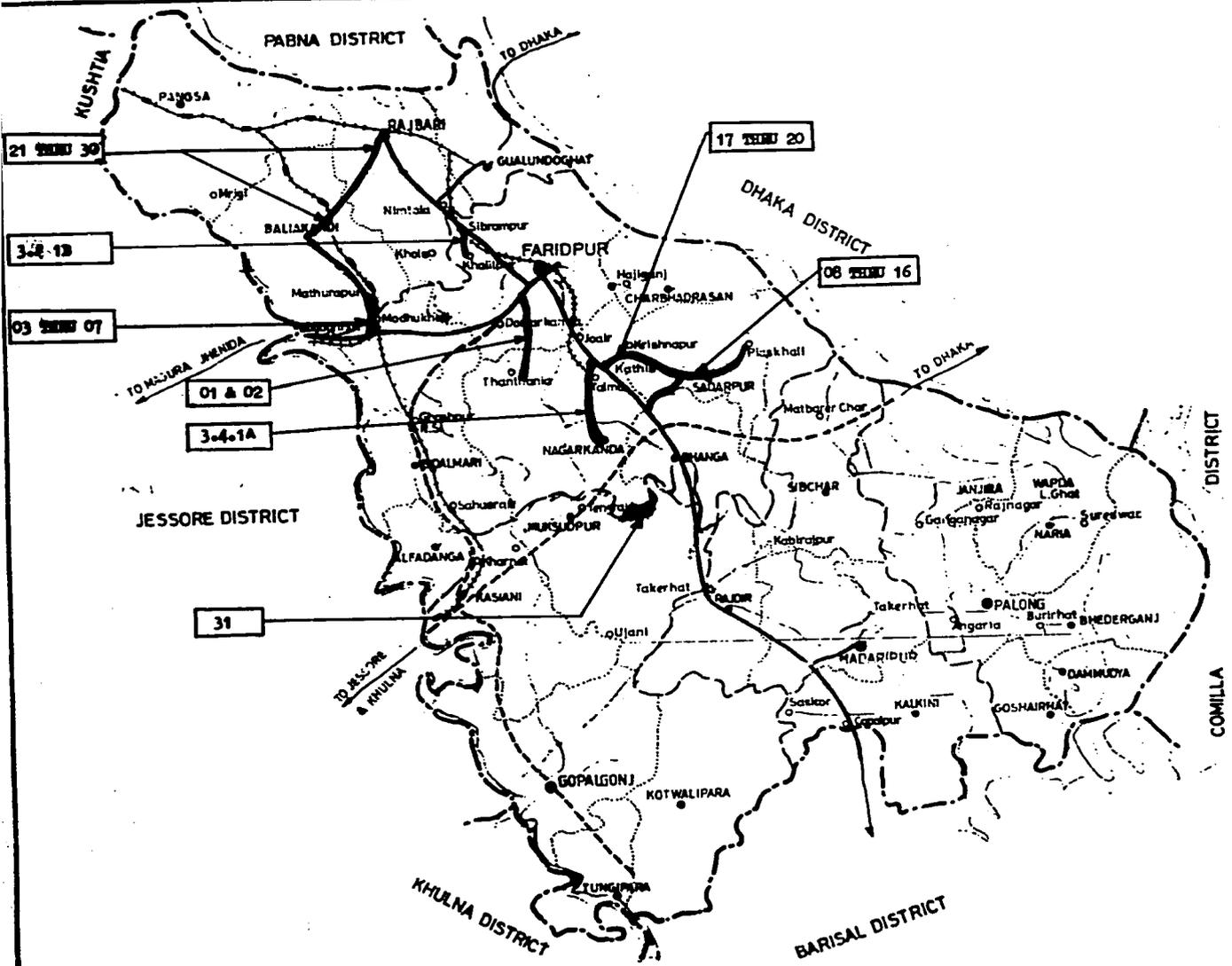
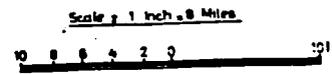
Notes:—(1) Group "A" (2) Group "B" (3) Group "A" and "B" (4) Group "C".

(B) Gaibandha-Kamarjani and Kamdia-Ghoraghat Roads have been subdivided into two Schemes each.

EXHIBIT VIII  
**FARIDPUR DISTRICT**



- MAINTENANCE SCHEME**
- 3.4-1A. SALMA - NAGARKANDA
- 3.4-1B. KHALIPIUR-SIBRAMPU  
 LAKHIDASHER ROAD
- CONSTRUCTION SCHEME**
- 01 & 02. SADARPUR - SALMA
- 03 THRU 07. MADEURHALI - BALLI  
 ROAD
- 08 THRU 16. HARIKISHANPUR - PI  
 ROAD
- 17 THRU 20. TALMA - HARIKISHAN
- 21 THRU 30. BALLIAKANDI - RAJI
31. DIGHAGAR - MUKSUI



Serial Number	Contract Identification	Description Of Work Order	Percent Complete	Current Comments
<u>Badarpur - Saltha Road</u>				
<u>1982 - 1983 Projects</u>				
01		Bituminous pavement, 2.2 km Contract Cost (Final): Tk 1,935,027	100	Final payment processed
<u>1983 - 1984 Projects</u>				
02		Bituminous pavement, 2.4 km Contract Cost (Final): Tk 2,108,729	100	Final payment processed
<u>Madhukhali - Baliakandi Road</u>				
<u>1982 - 1983 Projects</u>				
03		Bituminous pavement, 6.1 km Contract Cost (Final): Tk 5,816,551	100	Final payment processed
<u>1983 - 1984 Projects</u>				
04	Groups E, F, G, H, & I	Bituminous pavement, 8.0 km Contract Cost (Final): Tk 8,581,269	100	Final payment processed
05	Group J	Bituminous pavement, 1.1 km Contract Cost (Final): Tk 1,137,583	100	Final payment processed
<u>1984 - 1985 Projects</u>				
06	LRMP/01/84-85, Group A	Bituminous pavement, 1.6 km Contract Price: Tk 1,400,397.70 Contractor: Mr. Atiar Rahman	100	Final payment processed
07	LRMP/02/84-85, Group L	Bituminous pavement, 1.4 km Contractor: M/S M.N. and Co. Contract Price: Tk 1,169,735	100	Basic contract is 100 percent complete. A change order for HBB shoulders through the Madhukhali market is incomplete.
<u>Hatkrisnnapur - Sadarpur - Pajkhali Road</u>				
<u>1983 - 1984 Projects</u>				
08	LRMP/01/83-84, Group A	Bituminous pavement, 2.3 km Contract Cost (Final): Tk 1,490,021	100	Final payment processed
09	LRMP/10/83-84, Group D	Bituminous pavement, 1.1 km Contract Cost (Final): Tk 548,595	100	Final payment processed
10	LRMP/13/83-84, Group E	Bituminous pavement, 2.8 km Contract Cost (Final): Tk 1,343,725	100	Final payment processed

## Exhibit IX - CONSTRUCTION SUPERVISION PROJECTS - FARIDPUR

Sheet 2 of 5

Serial Number	Contract Identification	Description Of work order	Percent Complete	Current Comments
<u>Hatkrishnapur - Sadarpur - Fiajkhali Road (Cont.)</u>				
<u>1984 - 1985 Projects</u>				
11	ZKMP/10/84-85, Group B	HBB, 3.6 km Contractor: Mr. A. Nasir Mia Contract Price: Tk 2,755,614	100	Final payment processed
12	ZKMP/11/84-85, Group C	HBB, 3.6 km (Revised) Contractor: Mir Akter Hossain and Co. Contract Price (Revised): Tk 2,800,788	100	Final payment processed
13	ZKMP/25/84-85	RCC bridge, 12.1 m (Hajumder) Contractor: Mr. Atiar Rahman Contract Price: Tk 587,860	40	Site flooded and both footing excavations caved in. Structure changed to a box culvert to be built next year.
14	ZKMP/26/84-85	RCC bridge, 9.1 m (Taltala) Contractor: Mr. K.M. Ibrahim Contract Price: Tk 624,015	---	Canceled by change order
15	ZKMP/50/84-85	RCC bridge, 9.1 m (Motakchar) Contractor: M/S Mir Akter Hossain and Ltd. Contract Price: Tk 980,400	60	The abutments are 66 percent complete, but the site will probably go under water in July.
16	ZKMP/27/84-85	RCC bridge, 9.1 m (Khaigo) Contractor: M/S S.S. Construction Contract Price: Tk 564,604	85	The abutments are complete, but the site is flooded.

Serial Number	Contract Identification	Description Of work Order	Percent Complete	Current Comments
<u>Talma - Hatkrishnapur Road</u>				
<u>1984 - 1985 Projects</u>				
17	LHP/05/84-85, Group A	Bituminous Pavement, 1.6 m Contractor: Mr. A. Rahim Mia Contract Price: Tk 1,838,114	65	Bituminous pavement complete for 530 m. All aggregates are on site and processed.
18	LHP/06/84-85, Group B	Bituminous Pavement, 1.6 km Contractor: M/S Mir Aktar Hossain and Co. Contract Price: Tk 1,633,023.70	100	Final payment being processed
19	LHP/07/84-85, Group C	Bituminous Pavement, 1.6 km Contractor: Mr. Kh. Enayet Hossain Contract Price: Tk 1,645,590	100	Final payment being processed
20	LHP/08/84-85, Group D	Bituminous Pavement, 1.2 km Contractor: M/S Mir Aktar Hossain and Co. Contract Price: Tk 1,298,460	75	Bituminous pavement complete for 650 m. All aggregates are on site and processed.
<u>Saliakandi - Rajbari Road</u>				
<u>1985 - 1986 Projects</u>				
21	LHP/14/85-86, Group 1	Bituminous pavement, 1.6 km Contractor: Kh. Nazmul Hossain and Co. Contract Price: Tk 2,035,185	100	Final payment being processed.
22	LHP/15/85-86, Group 2	Bituminous pavement, 1.6 km Contractor: Mr. Taser Ali Bepari Contract Price: Tk 1,741,350	100	Final payment processed
23	LHP/16/85-86, Group 3	Bituminous pavement, 1.6 km Contractor: M/S Ghose Brothers Contract Price: Tk 1,613,765	100	Final payment processed

Serial Number	Contract Identification	Description of work Order	Percent Complete	Current Comments
<u>Saliakandi - Kajbari Road (Cont.)</u>				
<u>1984 - 1985 Projects (Cont.)</u>				
24	WRMP/17/84-85, Group 4	Bituminous pavement, 1.6 km Contractor: Mr. Kazi Eradat Ali Contract Price: Tk 1,826,280	75	<u>Bituminous pavement complete for 800 m. All aggregates are on site and processed.</u>
25	WRMP/18/84-85, Group 5	Bituminous pavement, 1.6 km Contractor: Mr. Kazi Eradat Ali Contract Price: Tk 2,035,185	60	<u>All pavement aggregates processed. Waiting for roller to continue work.</u>
26	WRMP/19/84-85, Group 6	Bituminous pavement, 1.6 km Contractor: Mr. Md. Akbar Ali Contract Price: Tk 1,699,550	100	<u>Final payment processed</u>
27	WRMP/20/84-85, Group 7	Bituminous pavement, 540 m Contractor: Mr. N.K. Mukarjee Contract Price: Tk 557,688.04	100	<u>Final payment processed</u>
28	WRMP/21/84-85, Group 8	Bituminous pavement, 1.4 km Contractor: Mr. N.K. Mukarjee Contract Price: Tk 705,878.28	100	<u>Final payment processed</u>
29	WRMP/22/84-85,	Bridge approach, Murali bridge Contractor: Mr. Emdadul Hoque Contract Price: Tk 669,940	100	<u>Final payment being processed</u>
30	WRMP/23/84-85	Bridge approach, Matlapara bridge Contractor: Mr. S.M. Emdadul Hoque Contract Price: Tk 290,130	100	<u>Final payment being processed</u>

Exhibit IX - CONSTRUCTION SUPERVISION PROJECTS - FARIDPUR

Sheet 5 of 5

Serial Number	Contract Identification	Description of work under	Percent Complete	Current Comments
<u>Dignagar - Muksudpur Road</u>				
<u>186 - 185 Projects</u>				
31	ZMCP/24/64-65	Bridge approach, Banagram Bridge Contractor: Mr. A. Bari Mia Contract Price: Tk 758,800	50	No work has been accomplished in the last two months. Copalgarj has a new D.C and YEM, who have payment approval authority, but are not familiar with the ZMT Project. A running bill has been lying on their desks for two months. The contractor refuses to proceed with his work until he has been paid. The YEM, Faridpur, is trying to solve the impasse.

EXHIBIT - X

BAR CHARTS

PROJECT SCHEDULES AND CURRENT STATUS

FARIDPUR DISTRICT

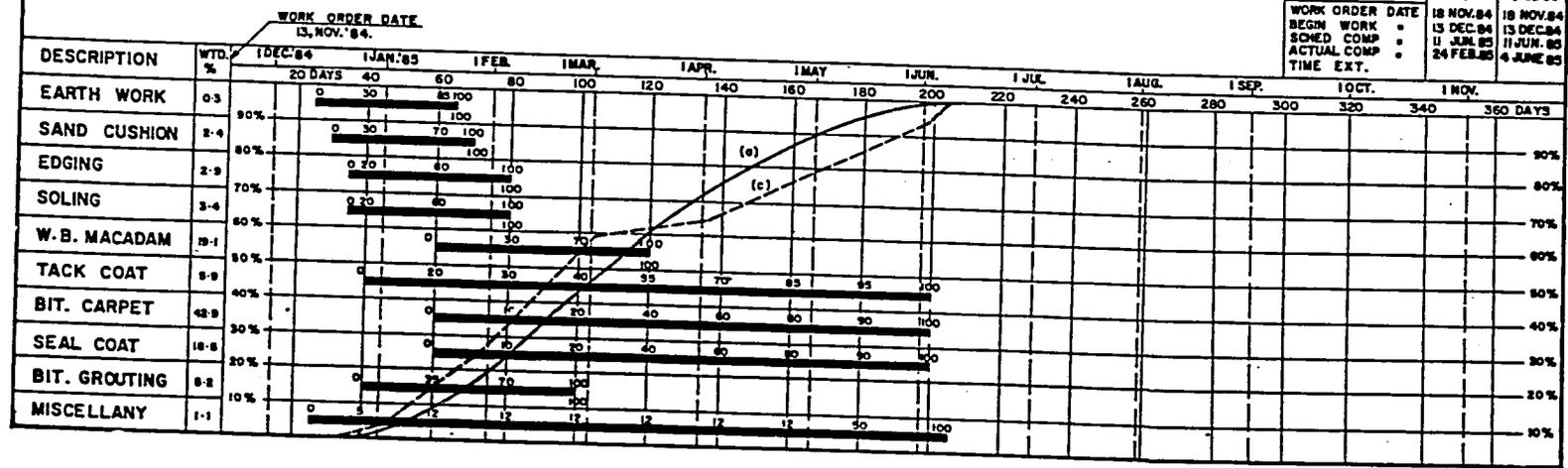
**FARIDPUR  
MADHUKHALI - BALIAKANDI  
ROAD  
ALL GROUPS  
84-85 SCHEMES**

**DATE : 30 JUNE 85**  
**% COMPLETION :**  
 SCHEDULED = 100%  
 ACTUAL = 100%

**CONTRACT DATA**

TOTAL	GROUP	K	L
9782 L.F.	LENGTH	5328 L.F.	4454 L.F.
257032	COST (TK)	1400397	1189736
WORK ORDER DATE		18 NOV.84	18 NOV.84
BEGIN WORK		13 DEC.84	13 DEC.84
SCHED COMP		11 JUL.85	11 JUN. 85
ACTUAL COMP		24 FEB.85	4 JUNE 85
TIME EXT.			

- (a) Schedule Progress
- (b) Revised Schedule
- (c) Actual Progress



**FARIDPUR  
HATKRISHNAPUR-SADARPUR-PIAJKHALI  
GROUPS B & C  
84-85 SCHEMES**

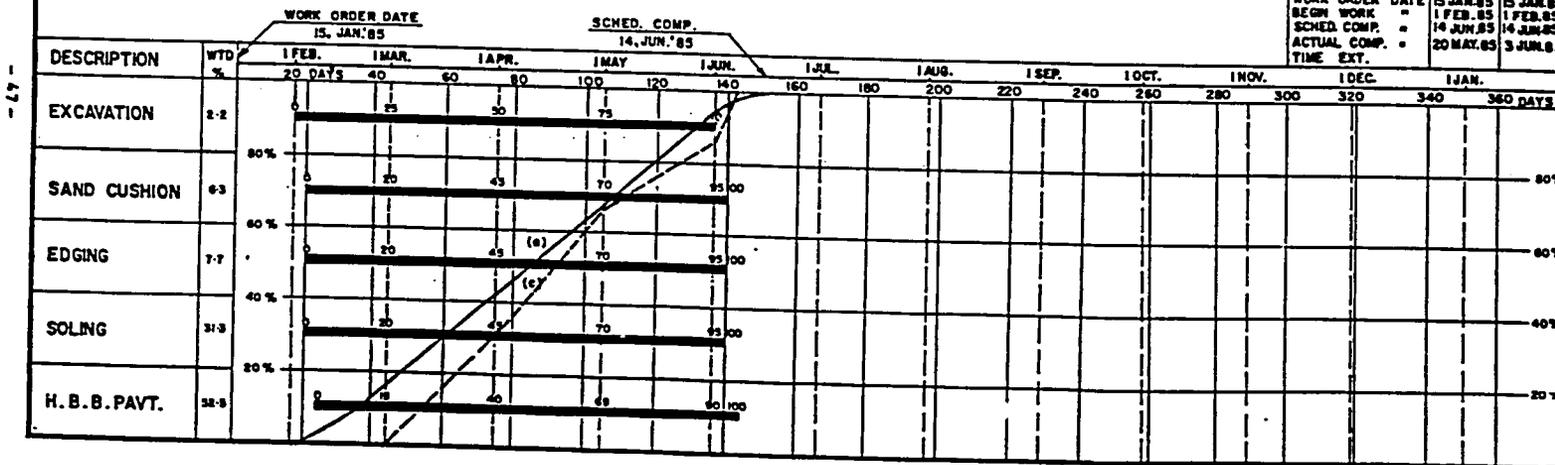
DATE : 30 JUNE 85  
% COMPLETION:  
SCHEDULED = 100%  
ACTUAL = 100%

- (a) Schedule Progress
- (b) Revised Schedule
- (c) Actual Progress

NOTE:  
LENGTH OF GROUP-C CHANGED  
TO 11,933 L.F. BY CHANGE ORDER

**CONTRACT DATA**

TOTAL	GROUP	B	C
17,309.5 L.F.	LENGTH	11,933 L.F.	3,966.3 L.F.
4,56,006	COST (TK)	27,55,214	14,00,394
WORK ORDER DATE		15 JAN.85	15 JAN.85
BEGN WORK		1 FEB.85	1 FEB.85
SCHED. COMP.		14 JUN.85	14 JUN.85
TIME EXT.		20 MAY.85	3 JUN.85



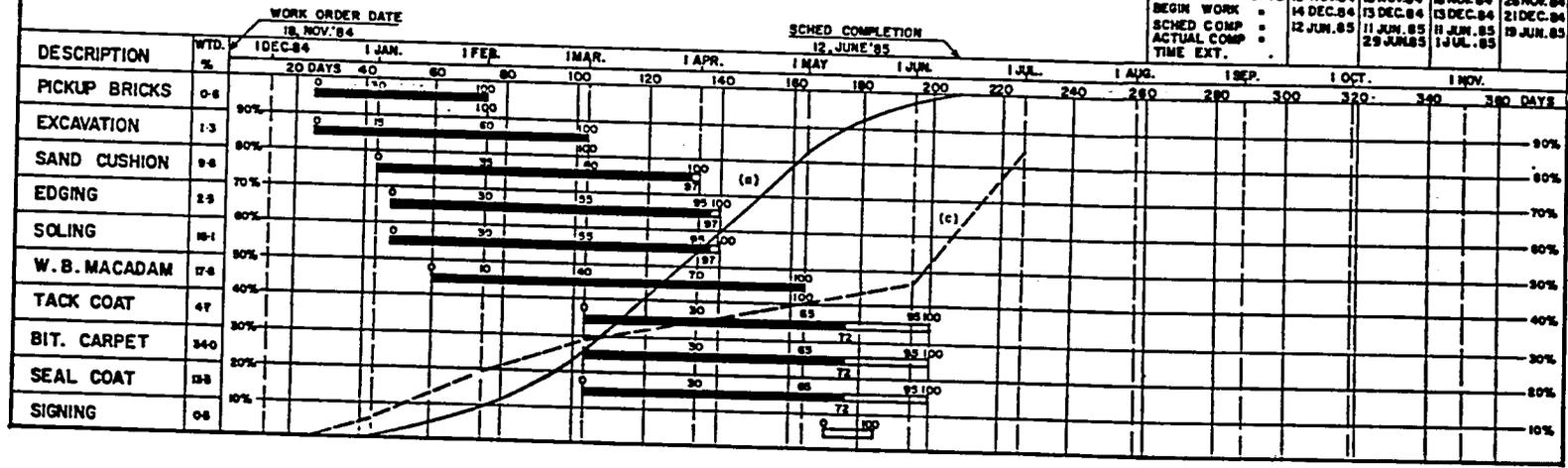
FARIDPUR  
TALMA-HATKRISHNAPUR  
ROAD  
ALL GROUPS  
84-85 SCHEMES

DATE: 30 JUNE 85  
% COMPLETION:  
SCHEDULED - 100 %  
ACTUAL - 85 %

- (a) Schedule Progress
- (b) Revised Schedule
- (c) Actual Progress

CONTRACT DATA

TOTAL	GROUPS	A	B	C	D
RSM4 L.F.	LENGTH	5280 L.F.	5280 L.F.	5880 L.F.	4074 L.F.
84 IS 188	COST(17K)	1836 114	1633 024	16 43 590	12 98 480
WORK ORDER DATE		18 NOV.84	18 NOV.84	18 NOV.84	28 NOV.84
BEGIN WORK		14 DEC.84	13 DEC.84	13 DEC.84	21 DEC.84
SCHED COMP		12 JUN.85	11 JUN.85	11 JUN.85	19 JUN.85
ACTUAL COMP			29 JUN.85	1 JUL.85	
TIME EXT.					



- 87 -

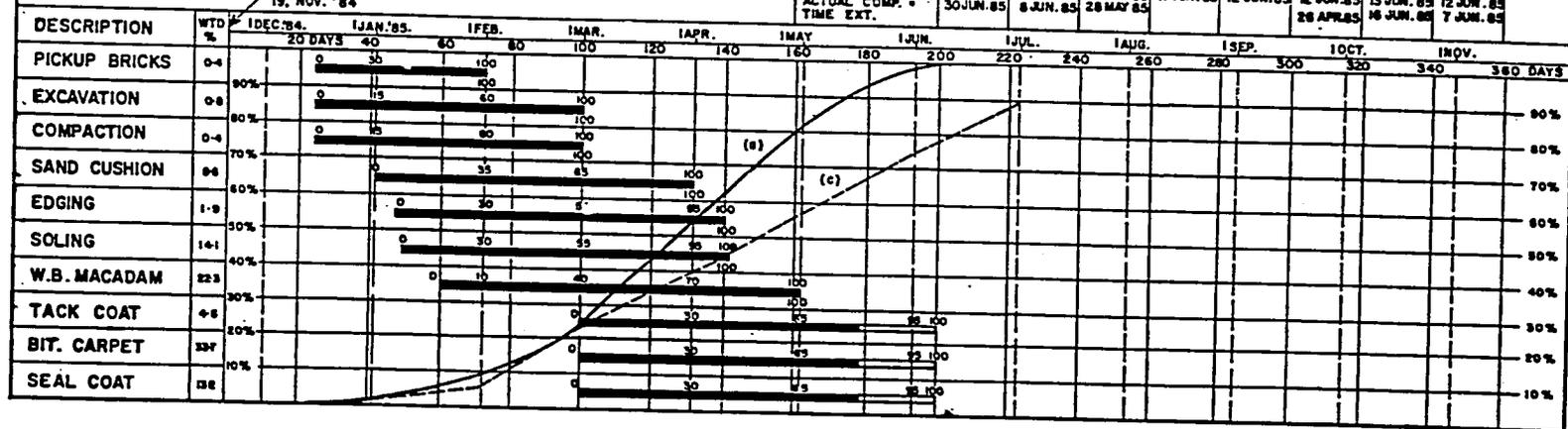
**FARIDPUR  
BALIAKANDI - RAJBARY  
ROAD  
ALL GROUPS  
84-85 SCHEMES**

**DATE : 30 JUNE 85**  
**% COMPLETION :**  
SCHEDULED = 100%  
ACTUAL = 90%

- (a)  Schedule Progress
- (b)  Revised Schedule
- (c)  Actual Progress

**CONTRACT DATA**

TOTAL	GROUP	1	2	3	4	5	6	7	8
11563 m.	LENGTH	1600 m.	540 m.	1425 m.					
122,5395	COST (TK)	20,35,185	17,41,350	16,37,763	18,26,290	20,35,185	16,98,950	6,57,602	7,00,878
	WORK ORDER DATE	19 NOV.84	20 NOV.84	20 NOV.84	18 NOV.84	19 NOV.84	19 NOV.84	20 NOV.84	19 NOV.84
	BEGIN WORK	14 DEC.84	15 DEC.84	15 DEC.84	13 DEC.84	14 DEC.84	14 DEC.84	15 DEC.84	14 DEC.84
	SCHED COMP.	12 JUN.85	13 JUN.85	13 JUN.85	11 JUN.85	12 JUN.85	12 JUN.85	13 JUN.85	12 JUN.85
	ACTUAL COMP.	30 JUN.85	8 JUN.85	28 MAY.85					
	TIME EXT.						26 APR.85	16 JUN.85	7 JUN.85



**FARIDPUR  
BRIDGE APPROACHES  
BONAGRAM - HORAI - MATIAPARA  
84-85 SCHEMES**

DATE: 30 JUNE 85

% COMPLETION:

SCHEDULED = 100%  
ACTUAL = 74%

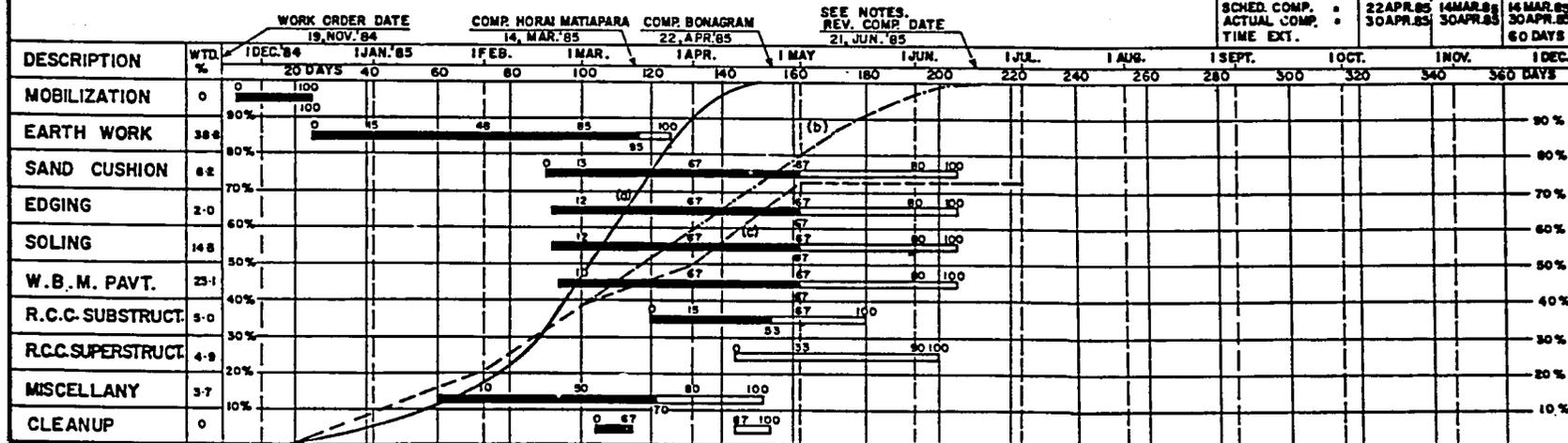
- (a)  Schedule Progress
- (b)  Revised Schedule
- (c)  Actual Progress

**NOTES:**

1. BONAGRAM APPROACHES CHANGED TO R.C. SPANS.
2. BAR CHART REVISED 25, MARCH '85.

**CONTRACT DATA**

TOTAL	BRIDGE	BONAGRAM	HORAI	MATIAPARA
10.45 m.	LENGTH	410 m.	410 m.	225 m.
18,45,63	COST(TK)	8,85,000	6,88,940	2,90,225
WORK ORDER DATE		29 NOV-84	19 NOV-84	19 NOV-84
BEGIN WORK		23 DEC-84	14 DEC-84	14 DEC-84
SCHED. COMP.		22 APR-85	14 MAR-85	14 MAR-85
ACTUAL COMP.		30 APR-85	30 APR-85	30 APR-85
TIME EXT.				60 DAYS



**FARID PUR  
ALL SCHEMES  
AND  
MAINTENANCE  
84-85**

DATE: 30 JUNE 85  
% COMPLETION:  
SCHEDULED = 100 %  
ACTUAL = 87 %

(a)  Schedule Progress  
(b)  Revised Schedule  
(c)  Actual Progress

DESCRIPTION	COST (LAC)	WTD %	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
MADHUKHALI-SALIAKANDI	25.70	83	20	46	72	90	98	100						
BALIAKANDI-RAJBARY	22.15	883	10	25	44	62	80	98						90%
TALMA-HATKRISHNAPUR	64.15	207	10	25	44	62	80	98						80%
HATKRISHNA PUR-SADARPUR	41.56	13.4	0	17	42	(a) 63	83	(c) 98						70%
BRIDGE APPROACHES	18.45	9.9	18	47	70	87	98	100						60%
BRIDGES	27.51	6.9	0	20	50	74	90	100						50%
PLOT MAINTENANCE	10.88	3.5	10	25	50	75	100	100						40%
														30%
														20%
														10%

### **7.1.2 Equipment To Be Purchased**

Equipment to be purchased locally includes the following :

- o Trail Bikes - 15 units
- o Trailer-Mounted Water Tanks- 3 units
- o Tar Boilers - 12 units

## **7.2 International Procurement**

### **7.2.1 Heavy Equipment, Vehicles, And Tools**

The WSA home office has again sent out RFQ's for all items to be purchased. Responses are expected before the end of July 1985. When received, these will be submitted to BDG for final approval.

### **7.2.2 WSA Office Vehicles**

The WSA office vehicle requirements have been included in the proposed Amendment NO. 3, which is now under study.

## **8.0 PERSONNEL**

The current status of all personnel (WSA/BCL/PAS) is shown in Tabular form in Appendix D. Problems in connection with personnel are discussed in the following section.

## **9.0 PROBLEMS AND PROPOSED SOLUTIONS**

### **9.1 Organization And Management**

The contractor payment difficulties experienced in Faridpur reflect some of the problems generated by the reorganization of the Districts and Upazilas. Intervention by the XEN of the old District is helpful, but it is a transitory solution. The LGEB Headquarters should confirm that the Xen's of the new organization are completely aware of the ZRMI Project, as it may effect their respective zones of responsibility, and the standard operating procedures which have been perfected by the ZRMI Project.

### **9.2 Training**

Failure to obtain necessary BDG clearances and approvals again forced the cancelation of the second AIT training course. This is indeed unfortunate, for it is the third time that this training course has been canceled for the same reason. This makes it difficult to maintain credibility with AIT in negotiations for any future training participation.

### **9.3 Construction System And Supervision**

The problem of a shortage of compaction equipment continues to plague all three districts. Rangpur was hit particularly hard during this reporting period when one of the road rollers slid off into a borrow pit. All of which underlines the urgency in expediting the procurement of heavy equipment.

### **9.4 Procurement Of Equipment**

Both local and international procurement of sorely needed construction and maintenance equipment has been plagued by a series of administrative indecisions extending over a period of more than two years. It is time that this problem be solved and the equipment ordered as quickly as possible.

## **10.0 MISCELLANEOUS**

The Monthly Financial Statement is included as Appendix "E".



Fred L. Barnes  
Chief of Party

A P P E N D I X - A

PHOTOGRAPHS OF MAINTENANCE ACTIVITIES

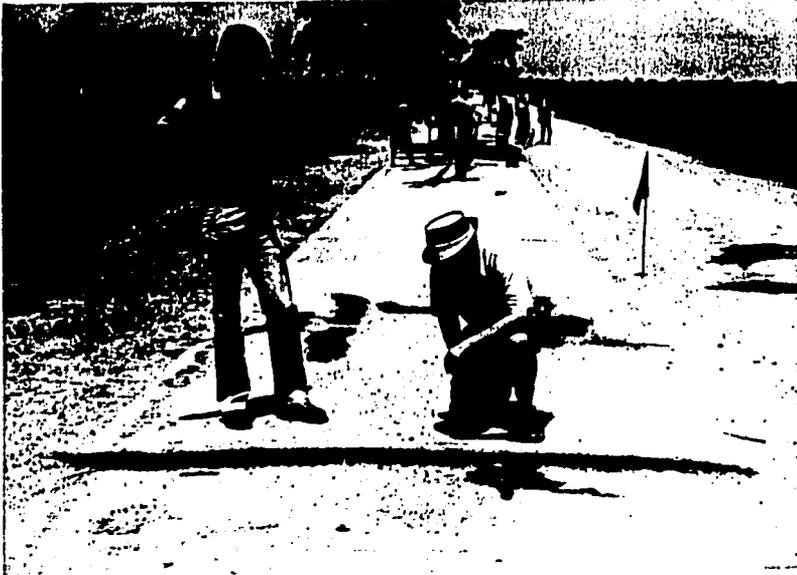
RANGPUR AND FARIDPUR DISTRICT

RANGPUR DISTRICT  
MAINTENANCE ACTIVITIES

RANGPUR - BADARGANJ ROAD.



Bituminous patching in progress.



Examining the quality of the bituminous patching work.

RANGPUR DISTRICT  
MAINTENANCE ACTIVITIES

MAHIGANJ - DANDAMA ROAD.



Embankment improvement by earth filling is completed here, reshaping of shoulder will be done later.

GAIBANDA - KAMARJANI ROAD.



Maintenance work yet to be started on this road.

RANGPUR DISTRICT  
MAINTENANCE ACTIVITIES

MIRGANJ - JALDEHA ROAD.



Trial turfing work for bridge approach protection.  
Bituminous painting 100 percent complete.

RANGPUR DISTRICT  
MAINTENANCE ACTIVITIES

RANGPUR - SUNDARGANJ ROAD.



Shoulder improvement completed. Bituminous patching work yet to be started.



Materials stockpiled at the Site for repair of damage sections.

RANGPUR DISTRICT  
MAINTENANCE ACTIVITIES

RANGPUR - KAKINA ROAD.



Maintenance work completed in this section of road, near the Police line mosque.



Maintenance work underway.

RANPUR DISTRICT  
MAINTENANCE ACTIVITIES

NILPHAMARI - JALDHAKA ROAD.



Road condition before maintenance started.



Shoulder improvement complete. Bituminous patching and seal coating underway.

FARIDPUR DISTRICT  
MAINTENANCE ACTIVITIES

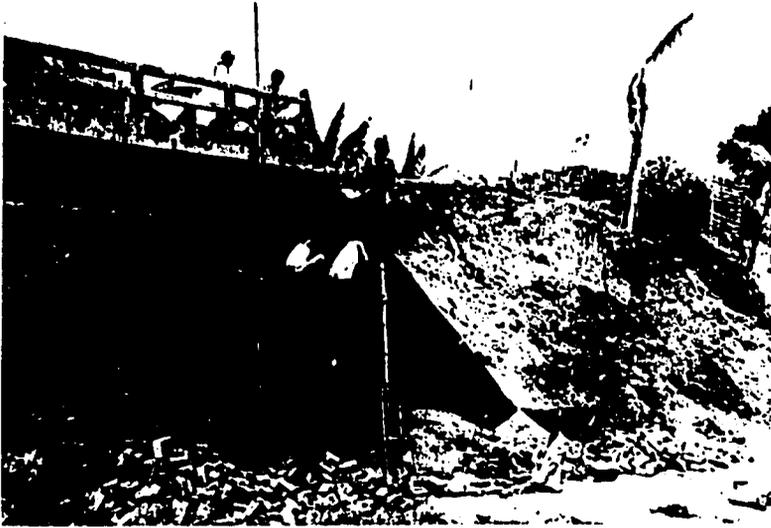
RAJBARI - BALTAKANDI ROAD.



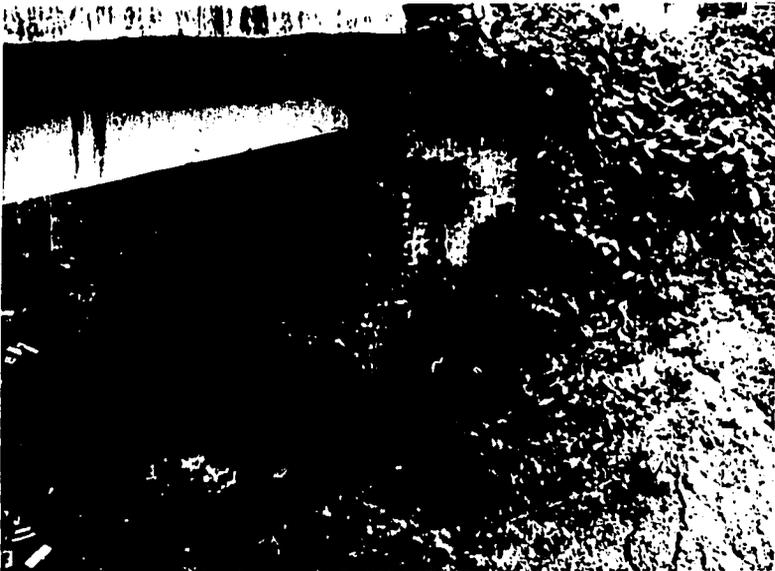
Failed wing wall of Tetulia Bridge. Reconstruction  
is in progress.

FARIDPUR DISTRICT  
MAINTENANCE ACTIVITIES

RAJBARI - BALIAKANDI ROAD.



Reconstruction of failed wing wall of Tetulia Bridge is complete.



Another wing wall of Tetulia Bridge. Serious cracks are evident.

FARIDPUR DISTRICT  
MAINTENANCE ACTIVITIES

MADHUKHALI - BALIAKANDI ROAD.



Refilling and regrading eroded shoulders.

FUKURIA-- SADARPUR ROAD.



Pavement patching in failed areas.

FARIDPUR DISTRICT  
MAINTENANCE ACTIVITIES

FUKURIA - SADARPUR ROAD.



Completion of bituminous pavement patching.



Completion of  
bituminous pavement  
patching.

A P P E N D I X - B

DISTRICT SOIL LABORATORY ACTIVITIES

RANGPUR AND FARIDPUR DISTRICT

65

# LABORATORY ACTIVITIES OF RANGPUR DISTRICT FOR THE MONTH OF JUNE '85

Name of road and location from where materials collected.	Test Result	Grading of pea gravels and stone chips by % of finer by sieve analysis.											Remarks.	
		Sieve 1"	Sieve 3/4"	Sieve 1/2"	Sieve 3/8"	Sieve 1/4"	Sieve no.4	Sieve no.8	Sieve no.10	Sieve no.16	Sieve no.40	Sieve no.80		Sieve no.200.
Kamdia- Ghoraghat Road, Group 4(b)A/1984-85.														
Sample No.1(a).	-	100.00	92.22	62.59	-	-	29.26	-	10.74	-	3.33	0.37	0.04	Does not follow the specification. -ditto- May be used for the bituminous carpeting work.
Sample No.1(b).	-	100.00	90.48	52.38	-	-	4.76	-	1.90	-	0.95	0.47	0.09	
Sample No.1(c).	-	100.00	91.00	70.50	-	-	42.60	-	17.16	-	8.60	4.10	3.10	
Gaibandha-Naldanga Road, 20' Span RCC Bridge-B-3/1984-85, Sample-1.	2.38	-	-	-	-	-	-	-	-	-	-	-	-	Does not follow the specification.
Gaibandha-Naldanga Road, 20' Span RCC Bridge-B-1/1984-85, Sample-1.	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-ditto-
-ditto- Sample-2.	1.62	-	-	-	-	-	-	-	-	-	-	-	-	Follows the Specification.

LABORATORY ACTIVITIES OF PAREDHUR DISTRICT  
FOR THE MONTH OF JUNE '85

NAME OF ROAD AND LOCATION FROM WHERE MATERIALS COLLECTED	SAMPLE NO.	WT. OF CUBE/ CYLINDER LBS.	SIZE OF SAMPLE	SLUMP	PROPORTION OF MIX	AGE IN DAYS	LOAD IN LBS.	COMPRESSIVE STRENGTH IN PSI	EQUIVALENT CYLINDER /CYLINDER STRENGTH PSI	REMARKS
HARRISHANUR-SADRUR-PAJIKALI ROAD, KOLKICAR BRIDGE, ERNEP/ 27.5.85. EAST ABUTMENT BASE.	EAB-1	27.23	12" x 6"	2.25	1:2:4	7	46,000	1,628		
	EAB-2				Cement:	28	49,000	1,733		
	EAB-4				Sand (1/3rd local of	28	56,000	1,980		
	EAB-6				F.H. 1.50 and 2/3rd Sylhet of F.N 2.60)  Stone aggregate.	28	60,000	2,122		
-ditto-  WEST ABUTMENT BASE  7.6.85	WAB-1	29.98	12" x 6"	2.50	-ditto-	7	50,000	1,768		

LABORATORY ACTIVITIES OF FARIDPUR DISTRICT  
FOR THE MONTH OF JUNE 35.

NAME OF ROAD AND LOCATION FROM WHERE MATERIALS COLLECTED	BRICK SIZE	ABSORPTION CAPACITY	F.M. OF SAND/ PEA GRAVELS	WATER CONTENTS (%)	REMARKS.
HMERISHEMATUR-SADARPUR-PLAJKEALI ROAD (MAMJUDAR BRIDGE).			1.56		Local Sand
-ditto- (MAMJUDAR BRIDGE)			2.69		Sylhet Sand

A P P E N D I X - C

P H O T O G R A P H S   O F   C O N S T R U C T I O N   A C T I V I T I E S

R A N G P U R   A N D   F A R I D P U R   D I S T R I C T

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES

GAIBANDHA - KAMARJANI ROAD.



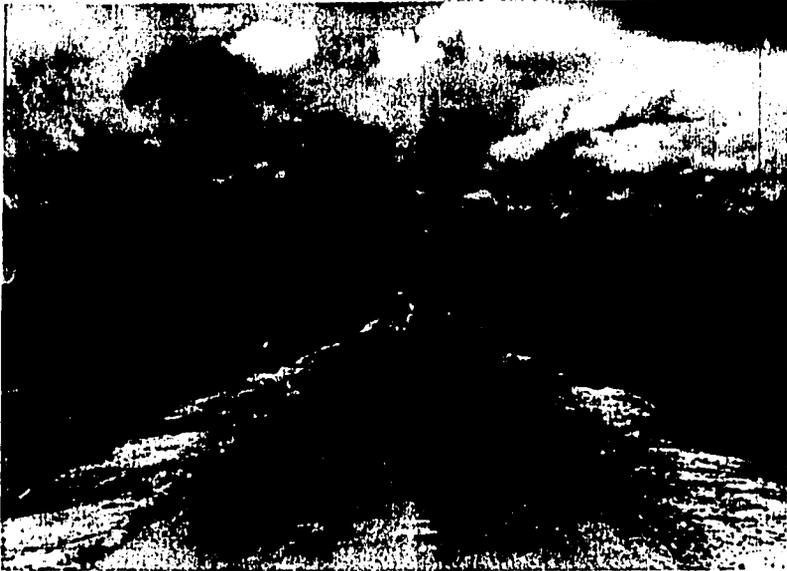
Bituminous carpeting underway in Group-A(83-84). Vibratory roller being used for compaction.



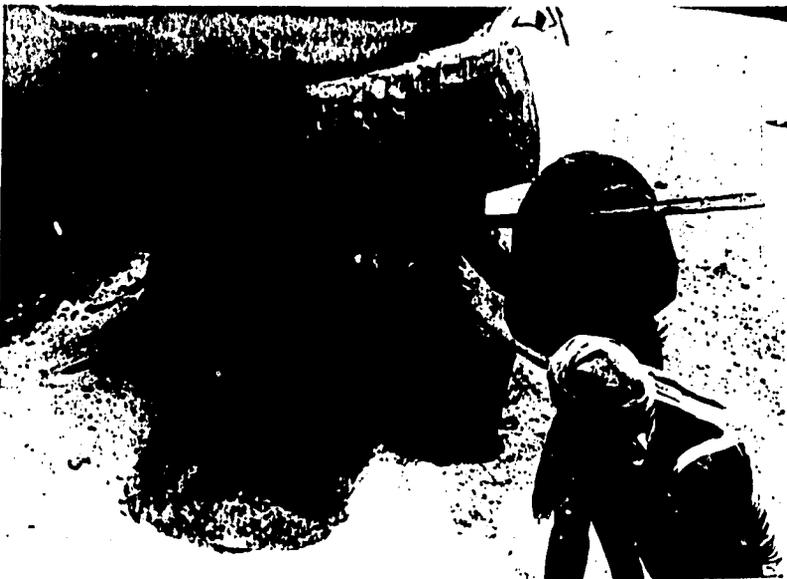
This is the way to mix the aggregates with bitumen, seen on Group-A(1983-84).

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES

GAIBANHA - KAMARJANI ROAD.



Bituminous carpeting finished for 600 m. in this section of road; Group-A(1983-84).



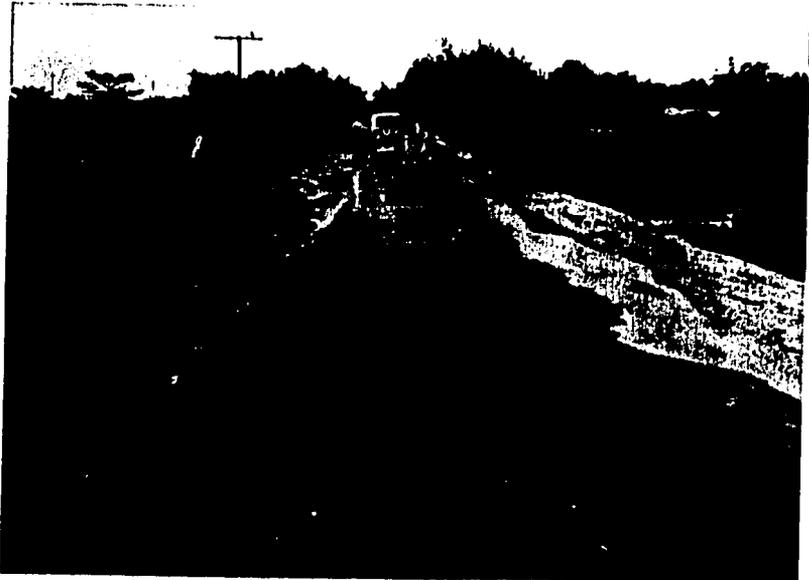
Heating the bitumen use in premix.

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES

MIRGANJ - JALDHAKA ROAD.



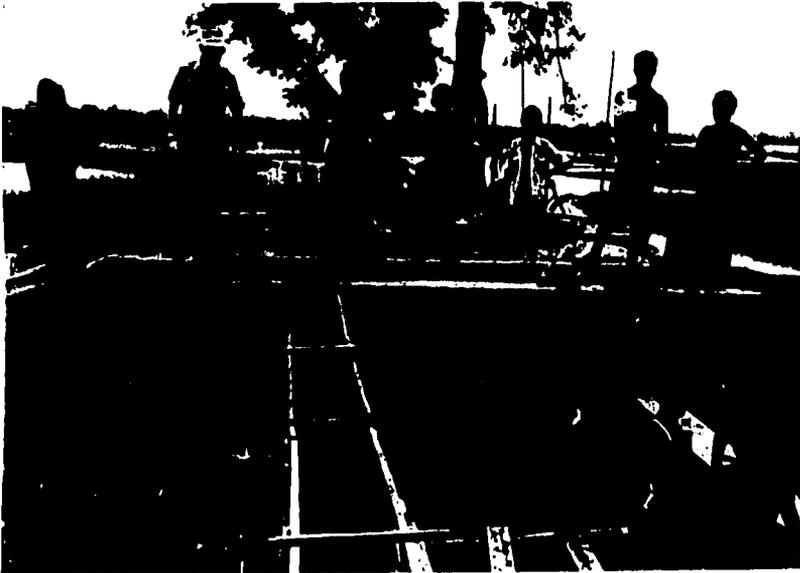
HBB work complete for 1.4 Km. out of a total of 1.8 Km.



All work completed in this section of road. Group-B, 1984-85.

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES

GAIBANDHA - SAGHATA ROAD.



Form work underway for RCC casting for 4.5 m bridge. Slab casting done on 17.6.85.



Work is complete on 4.5 m bridge (B-2, 1984-85).

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES

GAIBANDHA - SAGHATA ROAD.



Structural work complete on 4.5 m bridge; approach improvements were completed later. (B-2, 1984-85).

GAIBANDHA - NALDANGA ROAD.



Form work underway for RCC casting for 6 m bridge. Slab casting complete on 17.6.85. (B-3, 1984-85).

RANGPUR DISTRICT  
CONSTRUCTION ACTIVITIES



Trailer mounted water tankers handed over to the XEN,  
LGEB, Rangpur on 10.6.85. Water tankers are seen in the  
XEN office ground.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

MADHUKHALI - BALLAKANDI ROAD.



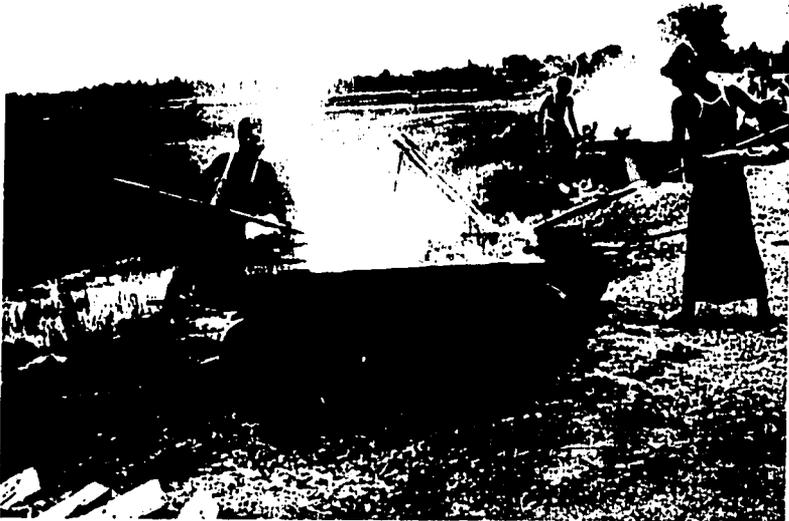
Bituminous pavement in progress; Group-L.



Completed section of bituminous pavement.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

TALMA - HATKRISHNAPUR ROAD.



Heating and mixing of stone chips and bitumen to make premix, Group-A.



Laying of bituminous pavement in progress, Group-A.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

TALMA - HATKRISHNAPUR ROAD.



Heating and mixing of stone chips and bitumen to make premix; Group-B.



Laying of bituminous pavement in progress; Group-B.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

TAIMA - HATKRISHNAFUR ROAD

Checking the thickness  
of bituminous pavement  
- Group-B.



Laying of bituminous pavement in progress; Group-C.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

TALMA - HATKRISHNAPUR ROAD



Rolling bituminous pavement with vibratory roller;  
Group-C.



Rolling of bituminous pavement with 2.5 T vibratory roller;  
Group-D.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

TALMA - HATKRISHNAPUR ROAD



Laying of bituminous seal coat in progress. Rolling of seal coat with vibratory roller; Group-D.



Final rolling of bituminous seal coat; Group-D.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

RAJBARI - BALLAKANDI ROAD.



Laying of bituminous pavement in progress; Group-1.



Laying and compaction of bituminous pavement in progress; Group-1.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

RAJBARI -- BALLAKANDI ROAD.



Bituminous pavement -- completed section;  
Group-2.



Heating and mixing of stone chips to make premix;  
Group-3.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

RAJBARI - BALIAKANDI ROAD.



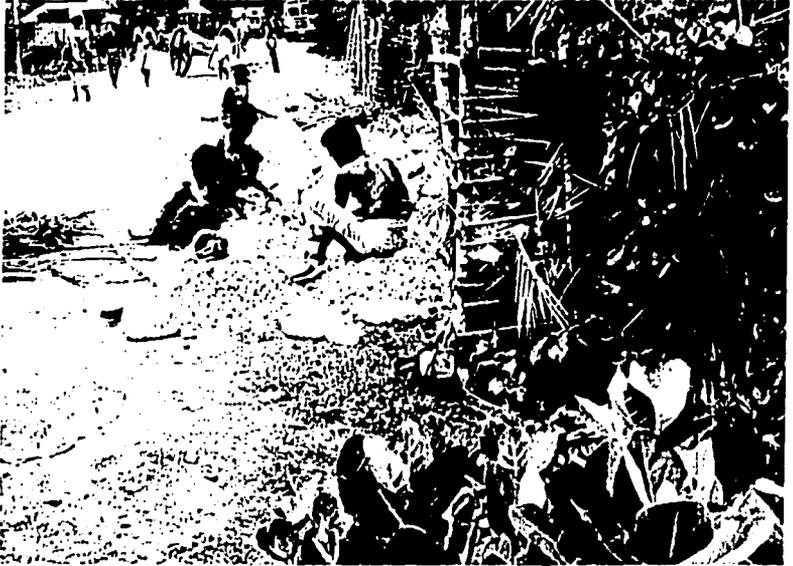
Laying of bituminous pavement in progress;  
Group-3.



Completed section of bituminous pavement;  
Group-3.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

RAJBARI - BALIAKANDI ROAD.



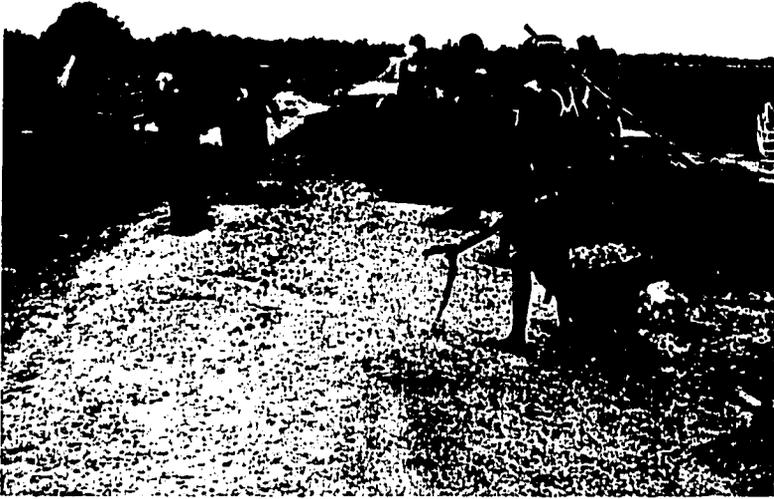
Preparation of stone chips for bituminous pavement;  
Group-4.



Spraying of prime coat in progress; Group-7.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

RAJBARI - BALAKANDI ROAD.



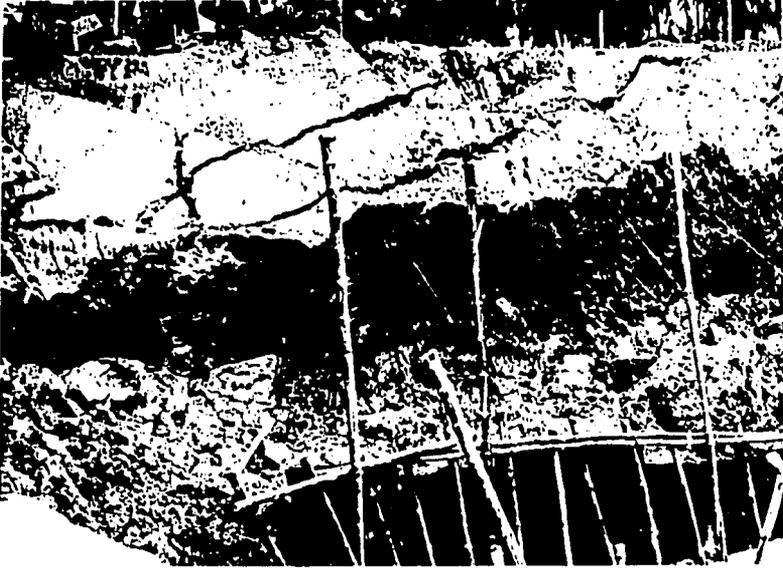
Laying of bituminous pavement in progress; Group-7.



Cleaning of WBM surface and spraying of prime coat;  
Group-8.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

MAZUMDAR BARI KHAL BRIDGE.



Foundation excavation has stood open since last March. A serious slide has developed and the project has been abandoned. ZRMIF/25/1984-85.



The Contractor's unsuccessful attempt to contain the slide.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

MAZUMDAR BARI KHAL BRIDGE.



Another view of the unsuccessful attempt to hold the slide. ZREMP/25/1984-85.



Foundation trench filled with water.

FARIDPUR DISTRICT  
CONSTRUCTION ACTIVITIES

MAZUMDAR BARI KHAL BRIDGE.



Pile-top levels being checked.

APPENDIX - D

CURRENT STATUS OF PERSONNEL

**CURRENT STATUS OF PERSONNEL**

Sheet 1 of 2

<b>Title.</b>	<b>Name.</b>	<b>Status.</b>	<b>Comments.</b>
<b>DHAKA OFFICE.</b>			
Chief of Party.	Fred L. Barnes.	On duty 01/06-30/06	-
Training Adviser.	Gifford E. Rogers.	On duty 01/06-30/06	-
Associate C.O.P. Soil-Materials Lab.	K.M. Huque.	On duty 01/06-30/06	Total 08 working days.
Training Specialist.	M. Majid.	On duty 01/06-30/06	Total 16 working days.
Structural Engineer.	M.A. Aziz.	On duty 01/06-30/06	Total 07 working days.
Project Engineer/ Training Coordinator.	A.H.M. Abdullah.	On duty 01/06-30/06	-
Office Engineer.	G.S.M. Habibur Rahman.	On duty 01/06-30/06	-
Laboratory Engineer.	A. Islam.	On duty 01/06-30/06	-
Draftsman.	Nasimuddin Ahmed.	On duty 01/06-30/06	-
Draftsman.	A. Majid.	On duty 01/06-30/06	-
Administrative Assistant.	Md. Harun.	On duty 01/06-30/06	-
Accountant.	A.K.M.A. Taher.	On duty 01/06-30/06	-
A/cs. Assistant.	M.M. Mohiuddin.	On duty 01/06-30/06	-
Secretary.	Fahmida Chowdhury.	On duty 01/06-30/06	-
Typist.	Andre Sarker.	On duty 01/06-30/06	-
Driver.	E. Hossain.	On duty 01/06-30/06	-
Driver.	F. Rahman.	On duty 01/06-30/06	-
Messenger.	Md. Jamaluddin.	On duty 01/06-30/06	-
Guard.	S.A. Khalifa.	On duty 01/06-30/06	-
Guard.	Md. Babul.	On duty 01/06-30/06	-
Caretaker.	Mokfaruddin.	On duty 01/06-30/06	-
Cleaner.	Anwara.	On duty 01/06-30/06	-
Gardener.	N. Zaman.	On duty 01/06-30/06	-
<b>FARIDPUR.</b>			
Resident Engineer.	N. Ziegler.	On duty 01/06-30/06	-
Assistant Resident Engineer.	A.N.M.R. Habib.	On duty 01/06-30/06	-
Asstt. Engineer.	A.Z.M. Amirul Islam.	On duty 01/06-30/06	-
Inventry Engineer. Laboratory	Shah A. Newaz.	On duty 01/06-30/06	Resignation from job.
Technician.	Mizarur Rahman.	On duty 01/06-30/06	-
Surveyor.	Tajul Islam.	On duty 01/06-30/06	-
Sub-Asstt. Engineer.	S. Afrad.	On duty 01/06-30/06	-
Sub-Asstt. Engineer.	A. Sayed.	On duty 01/06-30/06	-
Sub-Asstt. Engineer.	S. Islam.	On duty 01/06-30/06	-
Draftsman.	M. Rahman.	On duty 01/06-30/06	-
Office Manager/ Accountant.	A.B.N. Kamaluddin.	On duty 01/06-30/06	-
Secretary/Typist.	K.R. Faruk.	On duty 01/06-30/06	-
Driver.	B.A. Mollah.	On duty 01/06-30/06	-
Driver.	N. Ali.	On duty 01/06-30/06	-
Messenger.	S. Alam.	On duty 01/06-30/06	-
Gardener.	J.K. Sheel.	On duty 01/06-30/06	-
Guard.	N. Khan.	On duty 01/06-30/06	-
Guard.	I. Ali.	On duty 01/06-30/06	-

CURRENT STATUS OF PERSONNEL

Sheet 2 of 2

RANGPUR.

Resideng Engineer.	James V. Bell.	On duty 01/06-30/06	-
Asstt.Resident Engineer.	S.S. Ahmed.	On duty 01/06-30/06	-
Asstt.Engineer.	M.A. Samad.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	N.K. Das.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	A.B.M.Zahiruddin.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	Alauddin.	On duty 01/06-30/06	-
Laboratory Technician.	B. Hossain.	On duty 01/06-30/06	-
Surveyor.	Z. Abedin.	On duty 01/06-30/06	-
Draftsman.	S. Hossain.	On duty 01/06-30/06	-
Office Manager/ Accountant.	A.H.Mazumdar.	On duty 01/06-30/06	-
Typist.	R. Kabir.	On duty 01/06-30/06	-
Messenger.	A.F.M.M.Haque.	On duty 01/06-30/06	-
Driver.	Mahbubur Rahman.	On duty 01/06-30/06	-
Guard.	A. Rahman.	On duty 01/06-30/06	-
Guard.	M. Hossain.	On duty 01/06-30/06	-
Caretaker.	G.C.Das.	On duty 01/06-30/06	-
Cleaner/Gardener.	Rashida Begum.	On duty 01/06-30/06	-

SYLHET.

Resident Engineer.	Alex E.Nielson.	On duty 01/06-14/06	Left Dhaka on 14th June for home leave.
Asstt.Resident Engineer.	K.M. Hasan.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	N. Nabi.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	M.A. Sobhan.	On duty 01/06-30/06	-
Sub-Asstt.Engineer.	K.S. Ahmed.	On duty 01/06-30/06	-
Surveyor.	Amirul Karim.	On duty 01/06-30/06	-
Surveyor.	Abu Musa Mia.	On duty 01/06-30/06	-
Laboratory Technician.	Amjadul Hoque.	On duty 01/06-30/06	-
Draftsman.	M.Giasuddin.	On duty 01/06-30/06	-
Office Manager/ Accountant.	N.S.M.Azizul Haque.	On duty 01/06-30/06	-
Typist.	A.K.M. Munir Ahmed.	On duty 01/06-30/06	-
Driver.	Fakhrul Islam.	On duty 01/06-30/06	-
Messenger.	Elias Ali.	On duty 01/06-30/06	-
Guard.	A.A.Janadar.	On duty 01/06-30/06	-
Guard.	S. Alam.	On duty 01/06-30/06	-
Cleaner/Gardener/ Caretaker.	Ahmed Miah.	On duty 01/06-30/06	-

A P P E N D I X - E

M O N T H L Y F I N A N C I A L S T A T E M E N T

J U N E , 1985

SUMMARY FISCAL REPORT  
WILBUR SMITH AND ASSOCIATES INC.  
ZILA ROADS MAINTENANCE AND IMPROVEMENT PROJECT  
USAID PROJECT NO. 388-0056-02 HCC)

Project Components	Budget amount		- Previous expenditures		Expenditures - Current		Cumulative expenditures	
	\$ Dollars	Taka	\$ Dollars	Taka	reporting - June, 1985		\$ Dollars	Taka
1. Technical Assistance	2,709,030	22,715,634	2,316,836	17,327,817	56,309	673,892	2,373,145	18,001,709
2. Equipment	674,299	-	78,395	-	-	-	78,395	-
3. <u>Training USAID</u> BDG	300,000	<u>1,110,850</u> 394,500	83,167	1,064,685	-	-	83,167	1,064,685
4. Road Maintenance financed by BDG	-	23,095,800	-	-	-	-	-	-
5. Road Development Fund - <u>USAID</u> BDG	3,949,182	-	-	41,883,663	-	15,192,554	-	57,076,217