

**The Emergency Study on Urban Transport in Bujumbura City
SUPPLEMENTAL REPORT**

TABLE OF CONTENTS

LOCATION MAP / ABBREVIATION / SUMMARY / LIST OF TABLES AND FIGURES

CHAPTER 1 INTRODUCTION	1-1
1-1 BACKGROUND	1-1
1-2 SELECTION OF THE EWPP	1-1
1-2-1 Condition of the EWPP	1-1
1-2-2 Selection of the section to be projected.....	1-2
1-3 OUTLINE OF THE CANDIDATES	1-4
1-4 EXPECTED DIRECT BENEFITS BY THE EWPP	1-5
CHAPTER 2 EXITING CONDITION	2-1
2-1 SOCIAL CONDITIONS	2-1
2-2 ROAD CONDITIONS	2-2
2-2-1 Pavement Condition	2-2
2-2-2 Traffic Condition	2-3
2-2-3 Geological Conditions.....	2-7
2-3 PROCUREMENT CONDITIONS	2-8
2-3-1 Construction Material.....	2-8
2-3-2 Civil Work Contractor	2-9
2-3-3 Taxation for Construction Activity concern	2-14
2-3-4 Procurement Procedure (Tendering)	2-14
CHAPTER 3 DESIGN	3-1
3-1 DESIGN POLICY	3-1
3-2 DESIGN CRITERIA	3-1
3-3 ENGINEERING DESIGN	3-2
3-3-1 Horizontal Alignment Design	3-2
3-3-2 Cross Sectional Design	3-2
3-3-3 Pavement Design.....	3-4
3-3-4 Drainage Design.....	3-8
3-3-5 Facility Design	3-9
3-3-6 Safety Facility Design	3-10
CHAPTER 4 SOCIAL AND ENVIRONMENTAL CONSIDERATIONS	4-1
4-1 ENVIRONMENTAL SCREENING	4-1

4-2 INITIAL ENVIRONMENTAL EXAMINATION	4-3
4-2-1 Project Description.....	4-3
4-2-2 Site Condition	4-4
4-2-3 Environmental Impact and Mitigation	4-5
4-2-4 Environmental Management Plan	4-6
4-2-5 Public Consultation on EWPP	4-7
CHAPTER 5 CONSTRUCTION PLAN	5-1
5-1 CONSTRUCTION PLAN METHODOLOGY	5-1
5-1-1 Points to Consider	5-1
5-1-2 Preparatory Work Plan	5-1
5-1-3 Main Works	5-2
5-1-4 Safety Measures Plan	5-5
5-1-5 Engineering Control Plan	5-5
5-2 SETTING OF PROCUREMENT PLAN	5-5
5-2-1 Subcontractor	5-5
5-2-2 Construction Materials	5-6
5-2-3 Construction Equipment.....	5-7
5-3 SETTING OF WORK SCHEDULE PLAN	5-9
5-3-1 Construction Procedures	5-9
5-3-2 Setting of Construction Schedule.....	5-10
5-3-3 Work Schedule	5-11
CHAPTER 6 TENDERING	6-1
6-1 TENDER METHODOLOGY	6-1
6-2 TIME SCHEDULE OF TENDER	6-1
6-3 SHORT-LISTED CONTRACTORS	6-1
6-4 DISTRUBUTION OF TENDER DOCUMENTS	6-2
6-5 TENDER OPENING	6-2
6-6 SUBSTANTIAL RESPONSIVENESS & ANALYSIS OF TENDER PRICE	6-3
6-6-1 Examination of Tender Documents.....	6-3
6-6-2 Reading out of Tender Price.....	6-3
6-7 NEGOTIATION MEETING	6-4
6-8 TENDER EVALUATION	6-5
6-9 CONCLUSION OF TENDER	6-6
CHAPTER 7 PROJECT SUPERVISION	7-1
7-1 SCOPE OF WORKS	7-1
7-2 CONSTRUCTION SUPERVISION	7-1

7-3 EXECUTIVE ORGANIZATION	7-1
7-4 QUALITY CONTROL	7-2
7-4-1 Material Quality	7-2
7-4-2 Road Works	7-3
7-4-3 Progress Control.....	7-3
7-5 SAFETY CONTROL	7-5
7-6 PROCUREMENT	7-8
7-7 ARRANGEMENTS BY THE GOVERNMENT	7-9
7-7-1 Tax Exemption	7-9
7-7-2 Immigration Issue	7-10
7-7-3 Consultations to Publics.....	7-10
7-8 BILL OF QUANTITIES AND PROGRESS	7-10
7-8-1 Bill of Quantities	7-10
7-8-2 Work Progress	7-12
7-9 TECHNOLOGY TRANSFER	7-13
7-9-1 Transfer Method.....	7-13
7-9-2 Counterpart Participant List	7-14
7-10 PROBLEM AND ISSUES RAISED DURING THE EXECUTION	7-14
CHAPTER 8 CONCLUSION AND RECOMMENDATIONS	8-1
8-1 EVALUATION AND LESSONS	8-1
8-1-1 Design	8-1
8-1-2 Construction Plan.....	8-1
8-1-3 Tender.....	8-2
8-1-4 Supervision.....	8-2
8-2 RECOMMENDATIONS	8-2
 ANNEX	
ANNEX-1 GEOTECHNICAL SURVEY RESULTS	A-1
ANNEX-2 CONSTRUCTION PHOTOGRAPHS	A-11
ANNEX-3 HANDLING OVER CEREMONY (NEWS PAPER)	A-44
ANNEX-4 MINUTES OF MEETING	A-45