



BTC UGANDA



Kasese District Local Government

Stone arch bridges

A strong & cost effective technology for rural roads



A practical manual for Local Governments

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Foreword

This manual was developed based on the experience of the Belgian Technical Cooperation (BTC) supported **Kasese District Poverty Reduction Programme** (KDPRP) in Western Uganda, during the period 2009-2013. The programme piloted stone arch culverts and bridges in rural areas, where low labour costs and high cost of industrial building materials favour this technology. The construction of stone arch bridges in Uganda, Tanzania & Rwanda has demonstrated its overall feasibility in East Africa.

How to use this manual

The purpose of this manual is to provide supervisors of stone arch bridge works with an easy step by step guide. The stepwise approach ensures adherence to quality requirements and construction methodology. The main target audience of this manual is the road works supervisors and engineers employed by District Local Governments in East Africa. However, the manual remains relevant in the context of many other developing countries.

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Cost estimates, drawings, Memorandum of Understanding Technical Specifications, Assessment Checklist.	

This document has been produced in printed form, DVD, and as an online version of BTC <http://intranet.btcctb.org> and Practical Action <http://practicalaction.org> 2013



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