



**Feasibility Study, Preliminary Plans and
Specifications for the Replacement
of Swing Bridge and Longbird Bridge**

Bermuda

**Annex C
Drawings and Reference Documents**

Note:

The drawings and reference document files are too large to include with these Tender Documents. The drawing and reference documents are available for download by sending an email to mmurphy@gov.bm and a link will be sent via return email to a site where the documents can be viewed and downloaded.

Date: February 10, 2017

Project No. 44-28-75



GOVERNMENT OF BERMUDA

Ministry of Public Works

Works and Engineering

Annex C – Drawings and Reference Documents
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the Replacement of Swing Bridge and Longbird Bridge

**Feasibility Study, Preliminary Plans and
Specifications for the Replacement
of Swing Bridge and Longbird Bridge**

Bermuda

**Curriculum Vitae
For
Mr. Ricardo Graham-Ward
Trainee Civil Engineer, Structures**

Date: February 10, 2017

Project No. 44-28-75

RICARDO GRAHAM-WARD

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GRADUATE STRUCTURAL ENGINEER

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ABOUT ME

I am a self motivated, enthusiastic and outgoing graduate with excellent communication skills and technical knowledge. I am always striving to expand my skillset by attending various continuing professional development courses, conducting relevant technical research and through the application of new methods of engineering design and management.



WORK EXPERIENCE

The Bermuda Government

Trainee Civil Engineer, Structures - November 2015 - Present

- Undertake the structural analysis of various capital projects using hand calculations and structural analysis software packages.
- Preparing structural design solutions for marine and bridge structures.
- Checking detailed designs and drawings.
- Preparing tender documents and evaluating bids.
- Conducting structural inspections of damaged infrastructure.
- Identifying and implementing best practices and procedures.

BCM McAlpine Ltd. (BDA Government Secondment)

Assistant Project Manager-April 2016-July 2016

- Assisted with the project management of the America's Cup land reclamation project. Valued at \$39 million.
- Carried out quality checks of contractors works to ensure compliance with the contract requirements.
- Lead progress meetings and produced minutes.
- Assisted with setting out works.
- Monitored health and safety compliance on site.

The Bermuda Government

Civil Engineer Intern - Summer 2010-2014

- Assisted in the project management for the construction and redesign of Heritage Wharf in Bermuda.
- Conducted various compression tests on concrete samples.
- Prepared simple design calculations.
- Prepared CAD drawings using AutoCAD.
- Wrote method statements for water & wastewater processes.
- Conducted various retaining wall/dock inspections.



EDUCATION

UNIVERSITY OF SOUTHAMPTON

Southampton, UK 2014-2015

MSc. Civil Engineering

Graduated with Merit

LOUGHBOROUGH UNIVERSITY

Loughborough, UK 2010-2014

BEng.(Hons) Design with Engineering Materials

Graduated with Second Class Honours, Upper Division (2.1)

SALTUS GRAMMAR SCHOOL

Hamilton, BDA 1997-2010

High School Diploma

Graduated with Honours 4.0 GPA



SKILLS

AutoCAD	●	●	●	●	●	●	●	○	○
STAAD Pro V8i	●	●	●	●	●	○	○	○	○
Microsoft Office Suite	●	●	●	●	●	●	●	○	○
Revit	●	●	●	●	○	○	○	○	○
Adobe Suite CC	●	●	●	●	●	●	●	○	○
TEDDS	●	●	●	●	○	○	○	○	○
MATLAB	●	●	●	○	○	○	○	○	○
Oasys SAFE	●	●	●	●	○	○	○	○	○



PROFESSIONAL ORGANISATIONS

Institute of Structural Engineers – IStructE 2016 – Present
Graduate Member

Institute of Civil Engineers – ICE 2014 – Present
Graduate Member

Association of Project Management – APM 2014 – Present
Member

Institute of Materials, Minerals, Mining –IoM3 2010 – Present
Graduate Member



AWARDS AND SCHOLARSHIPS

Awards:

MSc Research Grant – Institute of Structural Engineers
'Verification of Strut and Tie Behaviour in Reinforced Concrete by Acoustic Emission Detection.' 2015

University of Southampton

Worshipful Company of Tin Plate Workers Alias Wire Workers

'Adding Value to Tin Plate Design Award' winner 2012

Loughborough University Department of Materials Engineering

Scholarships:

○ Bermuda Association of Professional Engineers, 2014-2015

○ Bermuda Government Public Service Bursary Award, 2010-2015

○ National Training Board Educational Award, 2010-2015



COMMUNITY INVOLVEMENT

St John Ambulance – 2015–Present

Volunteer Medical First Aid Responder

Loughborough University Photography Society – 2013-2014

Chair of the Society

Loughborough University Photography Society –2012-2013

Fresher's Rep



HOBBIES AND ACTIVITIES

 Sketching

 Tennis

 Photography

 Travelling