

Review

 **Jim Tod** recommends this updated book which brings together a wide range of topics on temporary works design, with each chapter written by a recognised expert in the field.

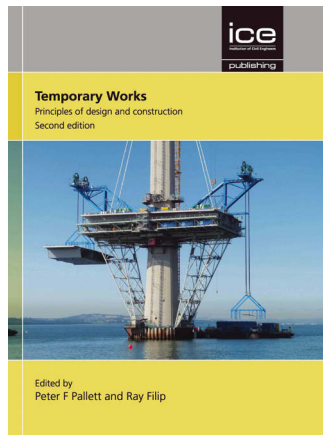
Temporary works: Principles of design and construction (2nd ed.)

Editors: Peter Pallett and Ray Filip

Publisher: ICE Publishing

Price: £145.00

ISBN: 978-0-727-76338-9



'Temporary works' are the parts of the works that allow or enable construction of, protect, support or provide access to the permanent works, and which might or might not remain in place at the completion of the works. The term applies equally to props that might hold up a brick wall while a new doorway is created in an existing building, to temporary shafts to launch tunnel boring machines, or to the massively complex works used to construct the Queensferry Crossing and Mersey Gateway bridges.

The Institution of Civil Engineers has recently published a second edition of *Temporary works: Principles of design and construction*. This revises the first edition published in 2012.

There can never be only one source of information on a topic. There are a large number of publications on specific parts of temporary works that have been issued by specialist interest groups, mostly for free (many of which cover the same topics as this book). This book differs in that it brings a wide range of topics together in a single publication.

The Contents and Index sections of the book can be downloaded from the ICE Publishing website (www.icebookshop.com) free of charge. The Foreword and Introduction in the free Contents section are worth downloading and reading, even

"READING THE RELEVANT CHAPTER WILL BETTER INFORM YOU AND MAY SAVE TIME AND MONEY IN THE DESIGN OF THE WORK"

if you don't go on to buy the book. (If you are wavering, reading these will help you decide.)

The format of the book is a series of chapters on different aspects of temporary works written by contributors who are all recognised as experts in their field. If you are designing any of the temporary works in the topics listed in the contents, then reading the relevant chapter will better inform you and may save time and money in the design of the work.

Why the revision? While many of the construction techniques and types of temporary works we use have not changed, there has been a recent change in the UK legal requirements surrounding design and construction – the Construction (Design and Management) Regulations 2015 – which makes that section of the first edition out of date.

In addition to revisions and expansion of existing chapters, as well as updates to the

references, the second edition includes seven new chapters:

- Chapter 28: Backpropping (propping of *in situ* floors to support construction of floors above)
- Chapter 29: Pressure testing of pipelines (includes advice on puddle flanges and thrust blocks)
- Chapter 30: Basement construction
- Chapter 31: Digital project delivery – visual planning and BIM
- Chapter 32: Rebar stability
- Chapter 33: Needling and forming openings in walls
- Chapter 34: Temporary works in demolition



Jim Tod
BSc, CEng, MICE

Jim is Tony Gee's Temporary Works Director. He has 38 years' experience of solving complex engineering problems during the construction of civil engineering works, 13 years of which have been with specialist jacking and temporary works contractors.