Movable Bridge Engineering

Description: Up-to-date coverage on all aspects of designing, building, maintaining, and evaluating

Movable Bridge Engineering is the most comprehensive reference on movable bridges published in the past sixty years. This new, highly visual resource addresses the engineering design and construction technology of new movable bridges, as well as the maintenance and rehabilitation of existing ones.

Movable Bridge Engineering is organized into six functional parts from an engineering perspective:

- Selection
- Design
- Construction
- Maintenance
- Inspection
- Evaluation of existing bridges

All structural issues and relevant mechanical and electrical systems for vertical lift, swing, and bascule bridges (for highway and railway use) are covered, including machinery, applications, reversing loads, traffic maintenance, and many other issues relevant to these specialized bridges.

With hundreds of informative photographs and illustrations, Movable Bridge Engineering is the most complete, in-depth guide for everyone working with bridges of this type.

Contents:

Preface.

Acknowledgments.

I. SELECTION.

To Bridge or Not to Bridge.

Movable Bridges versus Fixed Bridges.

Types of Movable Bridges.

Bascule Bridges.

Vertical Lift Bridges.

Swing Bridges.

Application of Types.

Bridge Replacement.

II. DESIGN.

Preliminary Aspects.

Structural Issues.

Detailing Bascule Bridges.

Detailing Vertical Lift Bridges.
Detailing Swing Bridges.
Machinery Bascule Bridges.
Machinery Vertical Lift Bridges.
Machinery Swing Bridges.
Machinery General.
Controls and Power.
Rehabilitation.
Operating and Maintenance Manuals and Bid Documents.

III. CONSTRUCTION.

Construction Management.
Structure.
Fabrication and Installation of Machinery and Electrical Components.
Balancing.
Replacement and Repair of Existing Bridges.

IV. MAINTENANCE.

Substructure and Superstructure.
Machinery, Control, and Power Systems.
Maintenance Particulars.

V. INSPECTION.

Inspection Basics.
Structure.
Machinery Bascule Bridges.
Machinery Vertical Lift Bridges.
Machinery Swing Bridges.
Machinery General.
Electrical.
Inspection Reporting.

VI. EVALUATION OF EXISTING BRIDGES.

Bridge Management.
Structure.
Machinery.
Failure and Bridge Functionality Analysis.

References.

Bibliography.

Glossary.

Appendix I: United States Patents on Movable Bridges.

Appendix II: North American Movable Bridges.

Index.


Order by Fax - using the form below

Order by Post - print the order form below and send to

    Research and Markets,
    Guinness Centre,
    Taylors Lane,
    Dublin 8,
    Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Movable Bridge Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/2220277/">http://www.researchandmarkets.com/reports/2220277/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCDKNU1U</td>
</tr>
</tbody>
</table>

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Hard Back)</td>
<td>USD 206 + USD 29 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp