

## CURRICULUM VITAE

**Michael J. Hackney**  
Bridge Engineer

### POSITION

Technical Director

### DATE of BIRTH

05 October 1952

### NATIONALITY

British

### LANGUAGES

English (Mother Tongue)

### QUALIFICATIONS

B. Sc. Civil Engineering

Chartered Engineer

Member of the Institution of Structural Engineers

Member of the Institution of Civil Engineers

Winner of the "Parkman Medal" 2003

Chairman Scott Wilson Bridges Group

Panel Member of ICE Bridge Engineering Journal

### KEY SKILLS

Project Management

Business Planning & Development

Design and Build Specialist

Conceptual Design

Railway Bridge Design

Highway Bridge Design

Bridge Inspection and Assessment

### Synopsis

Mike Hackney is a Technical Director with Scott Wilson where he is responsible for the management of the Structures Department, totalling 36 staff. His duties include all aspects of the Financial and Project Management, Inspection, Assessment and Design of highway and railway structures.

Currently he is responsible for the design of 12 major bridges on the A68 Dalkeith Bypass D&B project and the £24M scheme to strengthen the M8 White Cart Viaduct, an 800 metre long steel box girder bridge.

Most recently he was responsible for the conceptual and detailed design of a number of major railway and highway structures, including the award winning Portrack Viaduct, a 200 m long railway bridge with a 90 m. bowstring truss girder main span, and major structures on the £130M M77 GSO DB road project.

In addition he is responsible for the preparation of conceptual designs for several highway structures on a number of road schemes, including an iconic footbridge on M8 at Harthill and a tied arch over the River Nore, Kilkenny.

Previously he has been Project Manager for several Design and Build Bridges Contracts including the M8 Extension near Edinburgh, the M8 Widening at Townhead Interchange, and acted as Independent Checker and Contract Advisor to Strathclyde Regional Council on their contract to widen Woodside Viaduct on the M8 in Glasgow.

Since joining Scott Wilson in 1986, he has been responsible for the concept, design and assessment of various bridges in all the major materials. Projects undertaken include the design of twin 800 metre long viaducts at St. James Interchange, Glasgow and the design of deep piled foundations for a concrete box girder viaduct in Hong Kong.

### Selected Professional History

#### M8 White Cart Viaduct

Project Manager responsible for the inspection, assessment and design of the steel box girder strengthening on an 800m long viaduct.

#### A68 Dalkeith Bypass, M77 (GSO) DBFO and A1 Haddington

Team Leader responsible for the detailed design of 40 major motorway bridges and structures, including Tyne Bridge and River Esk Bridge, on Design and Build motorway projects.

#### Railway Bridges

Project Manager for the concept and detailed design of major railway infrastructure, including the replacement of Portrack and Float Viaducts, Elvanwater Bridge and Dalmakether Bridge on West Coast Main Line, UB 11 on the Milngavie Line, and the Assessment, Strengthening and Repair of several bridges on the recently re-opened Larkhall Milngavie railway. Also responsible for the refurbishment of several masonry viaducts including Mousewater and Meinwater Viaducts, Almond Viaduct and Burnton Viaduct.

#### M8 Townhead Interchange

Project Manager responsible for a Design and Build project to widen an existing three span post-tensioned box girder bridge by the addition of a reinforced concrete box girder "stitched" to the existing deck.

#### M8 St James Interchange Design and Build Project

Team Leader responsible for conceptual design and detailed design of twin 800 metre long steel plate girder viaducts and a railway crossing.

#### Eastern Approach Viaducts

Team Leader responsible for the design of substructures and bored piled foundations for a concrete box girder viaduct in Hong Kong.



