



## Curriculum Vitae

# Alan Frew

BSc (Hons) MICE MIHT CEng MHKIE ICE Law I

### Details

#### Position

Director

#### Discipline

Roads

#### Languages

English

#### Qualifications

- BSc(Hons) Civil Engineering
- Chartered Engineer
- Member of the Institution of Civil Engineers
- Member of the Institution of Highways and Transportation
- Member of the Hong Kong Institution of Engineers
- ICE Law and Contract Procedures Papers 1 & 2

#### Key Skills

- Roads Design and Management
- Procurement
- Design & Build
- PPP/PFI
- Risk Management
- Facilitation Services
- Economic Evaluations
- Feasibility Studies
- Project Management

### Synopsis

Alan Frew joined Scott Wilson in 1982 and is currently based in Glasgow following previous postings overseas. His career has included all aspects of highway planning, design, contract documentation and project management. He has also gained a broad experience of different contractual forms.

His recent career has seen him fulfil the role of Project Manager/Project Director on over 20 D&B/PPP roadworks schemes in Scotland, England and Northern Ireland both as Client's Agent and as Contractor's Designer. These currently include: the design and procurement of the £30m M9/A90 scheme near Edinburgh; the statutory procedures and procurement for the £100m A1 Beech Hill (as part of RSNI PPP Package 2) and the £70m A6 Dualling schemes in Northern Ireland; the detailed design of the £30m A68 Dalkeith Bypass, the £300m M80 DBFO and the £40m CNDR DBFO Schemes and the statutory procedures for the £100m Inverness Trunk Link Road.

He is also responsible for managing the firm's involvement on consultancy framework commissions with Roads Service Northern Ireland and Transport Scotland.

He worked in Hong Kong for 4 years in the early 1990's on a wide range of aspects for the £1 billion Route 3 expressway scheme, including: the design and project management of a four-level grade-separated interchange; project management of a complex 'flagship' Administration Building; and procurement of a 10 million cubic metre advance earthworks contract.

His early experience was gained in Scotland in the design and supervision of a variety of road and bridge schemes, ranging in scale from the UK's largest D&B roadworks contract to a number of smaller, though equally complex urban projects.

### Selected Professional History

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

#### Project Title

Short Description

**Selected Professional History** continued

**PARTNERING (RISK MANAGEMENT)**

**M6 DBFO (£150M)**

Organised Risk Management Workshops for New Works and O&M schemes. These were the Scottish Executive's first such workshops and formed the benchmark for future approaches.

**Traffic Control Centres PFI (£100M)**

Organised and facilitated four separate workshops working towards the Public Sector Comparator for a particularly demanding technical scheme for the Highways Agency.

**A5 Newtonstewart Bypass (£7M)**

Organised and facilitated two Risk Workshops aimed at establishing firstly the scheme extent/details and ultimately the risk-adjusted scheme estimate.

**A701 Transport Improvement (£20M)**

Organised and facilitated Risk Workshop to establish preliminary Public Sector Comparator.

**Dalkeith Regeneration Project (£300M)**

Organised and facilitated Risk Workshop to establish preliminary Public Sector Comparator.

**Balfron Schools PFI (£20M)**

Organised and facilitated Risk Workshop to establish Public Sector Comparator.

**A6 Catledawson-Randalstown, M1 Westlink, A1 Newry Bypass, A2 Shore Road, A24 Ballynahinch Bypass**

Facilitated Risk Workshops and prepared value-for-money studies for several Roads Service schemes.

**ROADS**

**M80 DBFO**

Designer to HMG (Bilfinger Berger, Grahams, Farrans) for £300M motorway scheme.

**Carlisle Northern Development Road**

Designer to Birse for £40M DBFO scheme.

**A1 Beech Hill, Northern Ireland**

Client's Agent for £100m PPP scheme, involving 12km of new dual carriageway.

**A68 Dalkeith Northern Bypass**

Designer to Morgan EST for £30m, 6km D&B scheme.

**M9/A90 (A8000 Upgrade) Scheme**

Client's Agent for a £30m 4km D&B motorway scheme, designed to improve access to the Forth Road Bridge.

**A6 North West Key Transport Corridor, Northern Ireland**

Client's Agent for £100m D&B scheme involving around 20km of new dual carriageway.

**Inverness Trunk Link Road**

Statutory procedures for vital strategic link between A96/A9/A82 to the south of the city.

**Selected Professional History** continued

**A66 Cargo Fleet Interchange, Middlesbrough**

Client's Agent for £8m D&B scheme.

**A1 Haddington – Dunbar**

Contractor's Designer for £35m Design & Build Scheme

**A5 Newtown Stewart Bypass, NI**

Client's Agent for £10M D&B scheme; responsible for the introduction of D&B procurement to RSNI.

**A1 Howburn to Houndwood**

Designer to Balfour Beatty for £6M D&B scheme: the scheme received an Environmental Commendation from the Saltire Society.

**Route 3, Hong Kong**

Responsible for several contracts on this £1billion scheme providing access to the new airport at Chek Lap Kok.

**A8 Eurocentral Interchange**

Client's Agent for £6m D&B scheme, including incorporation of Local Authority requirements to D&B scenario.

**WATERWAYS**

**Millennium Link**

Client's Agent for around 12 road and bridge D&B Schemes in Clydebank, Falkirk and Edinburgh, designed to remove obstructions to navigation.

**Glasgow Canal Project**

Design of three complex road and bridge schemes in congested urban environments, opening the Glasgow Branch of the Forth and Clyde Canal to navigation.

**Continuing Professional Development (optional)**

<b>Course Title</b>	<b>Training Organisation</b>	<b>Date (DD/MM/YY)</b>
Title	Organisation	Date

**Alternative Synopses**

**Risk Management**

Alan Frew joined Scott Wilson in 1982 and is currently based in Glasgow following previous postings overseas. His career has included all aspects of highway planning, design, contract documentation and project management. He has also gained a broad experience of different contractual forms. Over recent years, he has specialised in risk management and value-for-money studies and has facilitated risk workshops for public sector clients in Scotland, England and Northern Ireland.

His recent career has seen him fulfil the role of Project Manager/Project Director on around 20 Design & Build roadworks schemes in Scotland, England and Ireland both as Client's Agency and as Contractor's Designer. These currently include the specimen design and tender preparation for the £25M M9/A90 scheme, the statutory procedures for the £100M A1 Beech Hill scheme, Northern Ireland and the detailed design of the £30M A68 Dalkeith scheme, as well as the construction supervision for the £8M Cargo Fleet Interchange in Middlesbrough.



He is also responsible for managing the firm's involvement on a consultancy framework commission with NI Roads Service and in arranging resource and work allocations in three partnership initiatives with Scottish Local Authorities.

He worked in Hong Kong for 4 years in the early 1990's on a wide range of aspects for the £1billion Route 3 expressway scheme, including: the design and project management of a four-level grade-separated interchange; project management of a complex "flagship" Administration Building; and procurement of a 10 million cubic metre advance earthworks contract.