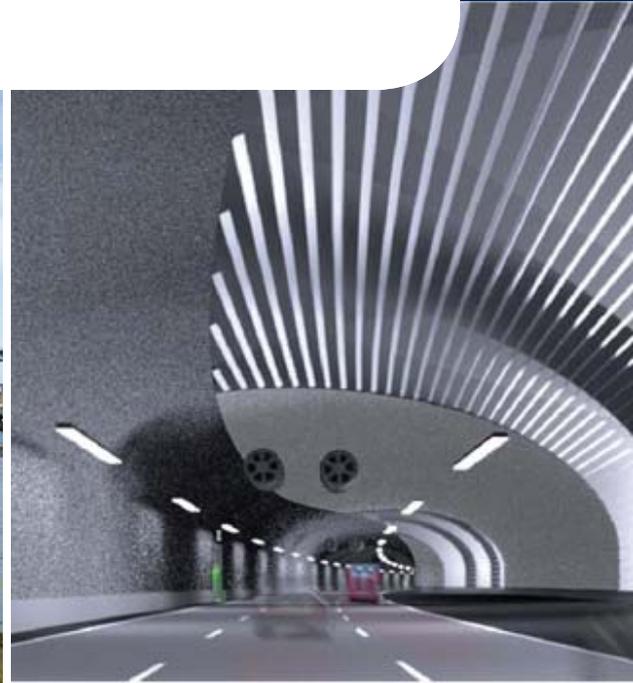




## Curriculum Vitae

Alan Frew



## Alan Frew

BSc (Hons, First Class) MICE MCIHT CEng MHKIE



### PROFILE

I joined URS (previously Scott Wilson) in 1982 straight from University. I have held various roles throughout the years in the Highway Bridge business and was appointed **Director** of the Roads (Scotland and Ireland) Business Unit in 2003. In my ten-year tenure as Director, I have been responsible for the successful performance of the firm's Roads and Bridges business in the region, which has seen **staff numbers rise** from under 100 to circa 150, despite a difficult recession period. I have delivered profit (contribution) **ahead of plan year-on-year**, culminating in a contribution of \$3m in 2013 against a target of \$1m.

As **Office Leader** for URS Glasgow Citypoint Office I am also responsible for the welfare of over 250 staff therein. I set up URS's **Scotland Management Group** to develop synergies and drive collaboration across the multi-disciplinary sectors in the region.

I am well known and respected within the roads construction industry and I currently hold the role of **Senior Vice Chairman** of the local branch of the Institution of Civil Engineers and will take over as Chair of the Branch in 2015: I also set up and **chair** the influential ACE/Transport Scotland Roads Forum.

### GEOGRAPHICAL COVERAGE

Each of the teams under my direction are considered to be **market leaders** in their geography; they are **uniquely** positioned on key project frameworks for both Transport Scotland (TS) and Transport Northern Ireland (TNI), which they have held since their inception 12 years ago ( and counting). My Belfast Roads team holds an **unrivalled position** as TNI's principal roads consultant/advisor. Although the teams are geographically-based, I have actively driven a collaborative approach across the region to ensure work-sharing and optimisation of resource allocation.

I have established strong working relationships with Europe's key Contractors to ensure that URS are Contractors' designers of choice. Our position with key Contractors also allows URS to determine our preferred D&B/DBFO consortia for significant opportunities.

In addition to establishing a dominant position in the local market, I led a hugely successful breakthrough into the **European market**: we won the key design role on the £2 billion E4 **Stockholm Bypass** project in association with a local Swedish JV partner leading to a 3-year, high-profile role on one of

#### Position

Director

#### Discipline

Highway Bridge

#### Languages

English

#### Qualifications

- BSc(Hons, First Class)  
Civil Engineering, 1982
- 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

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### Key Skills

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

### Years of Experience

32

### URS Start Date

06/09/1982

Europe's largest construction projects. I also played a leading role in our involvement as designer on the €2 billion **Pedemontana (Milan Bypass)** scheme.

### INTERNATIONAL EXPERIENCE

In addition to recent successes in Europe, I spent a year working in **Nepal** on the design of the Prithvi Highway, and then worked in **Hong Kong for 4 years** on 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; procurement of a 10 million cubic metre advance earthworks contract: and the successful tender design of the £1 billion Country Park Section BOT(PFI) scheme.

### SKILLS AND EXPERIENCE

I have played a significant role in our Infrastructure Management Committee(**IMC**) for the past 6 years. I have used this position to integrate our local regional successes into the greater infrastructure business.

I lead the Business Unit with an emphasis on **collaboration** and **teamwork**, and pride myself in achieving **win-win** situations in representing all stakeholders.

I am a recognised (and in demand) workshop **facilitator** and have facilitated over 30 value and risk workshops for Highways Agency, Transport Scotland and Transport Northern Ireland.

Throughout my career I have continued to develop my technical knowledge and retained my position as an industry leader through my roles of Project Manager/Project Director on over 20 D&B/PPP roads schemes in Scotland, England and Northern Ireland both as Client's Agent and as Contractor's Designer. These include: the check design of the £800m **New Forth Crossing**; 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**); two **A6 Dualling** schemes in Northern Ireland, totaling £450m; detailed design of the £30m **A68 Dalkeith Bypass**; £300m **M80 DBFO**; and the £40m **CNDR DBFO** Schemes. Many of these schemes have won industry accolades and awards.

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**SELECTED PROFESSIONAL HISTORY****ROADS****New Forth Crossing ( Queensferry Crossing)**

JV board member (AECOM/URS) as design checker to FCBC for £800m major bridge scheme.

**M80 DBFO**

Designer to HMG (Bilfinger Berger, Grahams, Farrans) for £300M motorway scheme on the outskirts of Glasgow. Winner of 2013 Saltire Award.

**Stockholm Bypass**

Responsible for a team of over 30 staff from Glasgow & Belfast ( and around 100 staff throughout Europe) in providing key roads, BIM and tunneling input to this £2 billion scheme.

**Pedemontana**

Responsible for the UK coordination of URS' input into the detailed design of this €2 billion scheme providing a bypass to the North of Milan.

**Carlisle Northern Development Road**

Designer to Birse for £40M DBFO scheme providing a 10km Northern Bypass and Development Road Scheme.

**A1 Beech Hill, Northern Ireland (PPP Package)**

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

**A96 Inveramsay**

Currently the 'Engineer' on this £10m scheme in the North of Scotland.

**A68 Dalkeith Northern Bypass**

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

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

Client's Agent and Engineer for a £30m 4km D&B motorway scheme, designed to improve access to the Forth Road Bridge. The scheme included a £6m Advanced Mineworkings Contract



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### **A6 Castledawson to Randalstown, Northern Ireland**

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

### **A6 Derry to Dungiven, Northern Ireland**

Client's Agent for statutory procedures for £350m scheme involving around 30km of new dual carriageway.



### **A96 Fochabers Bypass**

Engineer for this 10km Bypass Scheme through an environmentally sensitive area in the North of Scotland.

### **Inverness Trunk Link Road**

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



### **A1 Haddington to Dunbar**

Design project manager for major award winning P&B, including the iconic River Tyne Bridge.



### **Route 3, Hong Kong**

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

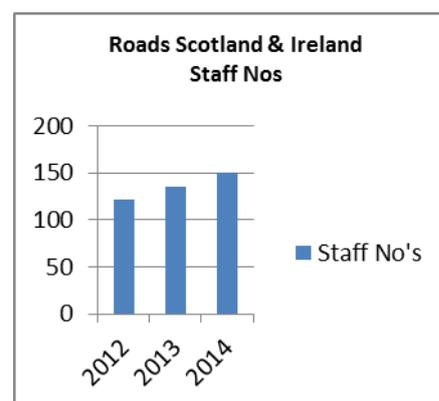
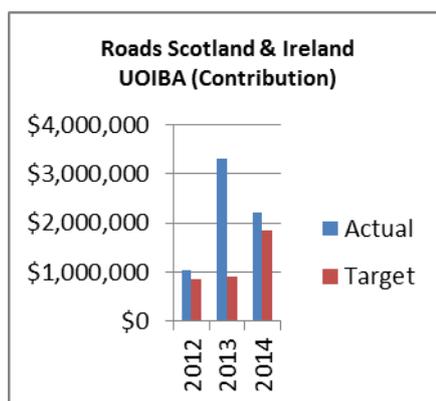
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### ACHIEVEMENTS

- 32 years unbroken service with SW/URS/AECOM.
- Career has constantly progressed; success at all stages (projects and business).
- Invariably assessed as “Exceeding Expectations” in appraisals, from a range of assessors.
- Proven track record in delivering business results, particularly in challenging markets/recession.



- Senior Vice Chairman of ICE, Glasgow & West of Scotland Branch (succeeding Chairman).
- Chairman of influential Transport Scotland/ACE Roads Forum.
- Office Leader in Glasgow Citypoint Office.
- Successfully integrated SW team into URS culture/approach (managing change).
- Established URS as a key player in market in geography both client side and for contractors.
- URS team has (uniquely) held position on key roads Framework for both TS & TNI for past 12 years.
- Unrivalled contacts with key (international) contractors, including,
  - Hochtief
  - Carillion
  - Lagan
  - Costain
  - Sisk
  - Strabag
  - Ferrovial
  - Morrison
  - Dragados
  - Graham
  - Roadbridge
  - Bilfinger
  - Farrans
  - American Bridge
  - Balfour Beatty
  - BAM
- Numerous projects have won recognised industry awards, including BCIA, Saltire and Brunel Medals.
- Responsible for highly successful break through into Europe, including £2 billion Stockholm Bypass and €2 billion Pedemontana.
- Established Sales networks (ongoing) with colleagues in Australia and Europe.
- Recognised successful periods of work overseas Nepal (1year) and Hong Kong (4years).

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- Director (incl Statutory Director) for over 10 years.
- Respected Workshop Facilitator (over 40 workshops for HA/TS/TNI).
- Highly motivated and hard-working workforce. (Sold time consistently in excess of 90%) and excellent staff morale.
- Highly loyal and committed senior management team (0% attrition).