

# Curriculum Vitae – Charles Thompson, BSc(Eng), CEng, MICE, MCIHT, MSoRSA, Dip Transp Eng

**Current Position:**

Consultant

## **Key Experience**

Over 40 years' experience in the highways sector of civil engineering and road safety engineering. I am a member of the Society of Road Safety Audits (SoRSA), membership of which is subject to annual review to ensure that professional development is appropriate. I hold a Certificate of Competence, accepted by Highways England, that enables me to carry out road safety audits on the UK motorway network and the Trans-European motorway network.

Specific areas of expertise include extensive experience of traffic, transport, highways and drainage design. I am an experienced road safety Engineer and am qualified to carry out team leader Road Safety Audit duties.

## **Professional Qualifications**

<b>Professional Body</b>	<b>Grade</b>	<b>Year</b>	<b>Qualifications</b>
The Engineering Council	Chartered Engineer	1978	CEng
Institution of Civil Engineers	Corporate Member	1978	MICE
Chartered Institution of Highways and Transportation	Corporate Member	1977	MCIHT
Society of Road Safety Auditors, Chartered Institution of Highways and Transportation	Member	2010	MSoRSA
Highways Agency approved Certificate of Competence		2014	

## **Employment History**

### **Oct 2021 Consultant**

Transport Assessments, Transport Statements and assistance with highway/transport aspects of planning applications.

Road Safety Audits and assessments.

- Wetherby Road, Harrogate – Stage 3 RSA – Café/Drive through café.
- Station Road, Wallsend, Tyne and Wear – Combined Stage 1 & 2 RSA – proposed roundabout.
- A19, Exelby Services – Stage 3 RSA – improvements to layout and on/off slip.
- Kenton Lane, Newcastle upon Tyne – Combined Stage 1 & 2 RSA – Petrol Filling Station and on site shop.
- Coast Road / Station Road, Wallsend, Tyne and Wear – Combined Stage 1 & 2 RSA – Partial signalization of grade separated roundabout.

Expert witness on highway related matters.

Highways and drainage design.

S278 design

### **01 Oct 2010 – Oct 2021, Novo 55 Consulting Ltd, Director of Highways and Traffic**

Team leader of highways, traffic and transport, responsible for all aspects of the work including business development.

- Stage 1, 2 and 3 Road Safety Audits Fehilly Timoney and Co/Farrans Roadbridge/Transport Scotland, Dalry by pass.
- Road Safety Audits for a number of clients, including Stage 4 RSA for Sainsbury's Supermarket, Ayr Road, Prestwick.
- Road Safety Audit for Waterman, Maybole, Scotland for retail development adjacent to the A77.
- Transport Assessments and Statements for private and public developments, including TA for Energy from Waste scheme.
- Parking studies
- Detailed design of highways and drainage for private developers

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- Expert witness on a number of claims against highway authorities, including cycling incidents including provided the Treasury Solicitor with opinion on the temporary layout adopted at a HA major road improvement scheme where a driver accessed the wrong carriageway resulting in a serious collision.
- Assisted local authority with development of a Draft Road Safety Strategy.
- Planning appeals on behalf of developers.
- Assisted resident groups in their objections to planning applications.
- Travel Planning.

**April 2007 – 08 Oct 2010,**

**Jacobs Eng UK Ltd – Principal Engineer, leading highways and traffic team, Newcastle Office.**

- Team leader of highways and traffic team,
- Successful “No Hits” and “delight client” philosophy,
- Client liaison – regular meetings with client representatives at Sunderland City Council,
- Successful delivery of range schemes including detailed design of Housing Waste Recycling facility, Public Realm works, detailed highway design of new highways and highways improvements, traffic schemes such as bus corridors, audit of traffic regulation orders, traffic calming, Accident Investigation and Prevention and traffic management schemes,
- Responsible for team’s management, workload, quality of output, compliance with brief. – Familiar with project and financial management tools, e.g. Jacobs’s Global Financial Management System – Compass and programming tool Primavera,
- Lead engineer for specific commissions – Parking Strategies, Road Safety Audits and Road Safety Reviews, Speed Limit reviews and 20 mph treatments,
- Brief and fee development – fee development includes a successful proposal for preliminary design of an urban relief road in Lincoln,
- Highly skilled and knowledgeable in relation to traffic engineering, transport and development control,
- Qualified Road Safety Auditor
- Qualified CDMC.

I was also lead engineer for a number of projects for clients, such as,

- Interim Parking Strategy, Central Telford,
- Parking Strategy for Sunderland City Council,
- Road Safety Audits and safety assessments for clients in the North East of England and Scotland,
- Initial Business case for countywide Civil Parking Enforcement for a North East England client,
- Review of Road Safety Strategy in relation to current speed limit advice from government,
- Review of speed limits (A and B class roads).
- AIP proposals for North Yorkshire County.

The team also successfully designed a new bus station at Skipton in North Yorkshire and a number of Public Realm schemes and HWRC scheme.

**April 2006 – April 2007 Cundall (formerly Cundall Johnston and Partners) – Senior Transportation Engineer**

- Transport Assessments and Transport Statements – Successful development of most complicated TA that Cundall had produce to that date,
- Highways advice to developers,

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- Road Safety Audits.
- Financial Management, - successfully took control of the financial management of projects.

I worked with civils colleagues to help deliver a large signalised junction access off a principal road to a housing development for a large social housing client.

## **Feb 1987 to March 2006 Sunderland City Council – Manager, Traffic, Parking and Road Safety Section**

1991 – March 2006	<i>Manager</i>
1987 – 1991	<i>Deputy Manager</i>
Feb 87 - Nov 87	<i>Team Leader</i>

- Strategic Management – Input to Council Strategic Service Plan, Input to Tyne and Wear Local Transport Plan, development of Road Safety Strategy, Development of Parking Strategy,
- Section Management – Management of the biggest team in the Directorate. Development of draft capital programmes, management of competing work streams, personnel development and management, constantly reviewing progress with work streams, staff disciplinary measures, delivery of Best Value,
- Interface with public / elected Members and media - The Traffic, Parking and Road Safety Team had a significant interface with the public and stakeholders. We dealt with some 25 petitions each year, 200 requests for service from elected Members and about 500 letters from members of the public concerning traffic, parking and road safety services,
- Implementation of Decriminalised Parking Enforcement – Sunderland City Council was the first authority in Northeast England to implement DPE,
- Met difficult and diffuse delivery targets in what was an under-resourced section with competing demands, all of which were regarded as high priority.
- Represented Department at Development Control Sub-Committee meetings.

As Traffic, Parking and Road Safety Manager for Sunderland City Council I was responsible for the whole range of services delivered within that section of the department. This included

- Sunderland's Safer Routes to School Programme,
- Road Safety Education, Training and Promotions,
- Traffic Service Planning and Research,
- Management of the Council's Parking Service,
- Region wide, I played a key role in delivery of the Local Transport Plan and annual progress reports on delivery of the plan.

I have extensive experience of the development control process. I have represented local authorities at planning public inquiries and at Court in stopping up applications and at a public transport local inquiry.

I often represented the Director at Committee meetings. My involvement with the development control process has helped me develop my presentation and negotiating skills.

I was responsible for delivery of most of the Council's LTP Integrated Transport Block schemes. These schemes included

- programmes of local safety schemes,
- area wide traffic calming,
- public transport,
- cycle and walking schemes,
- traffic signal and pedestrian crossing schemes.

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I identified the fact that Sunderland had a higher than normal fatal and serious accident rate for children. This led to programmes of education, training and publicity as well as targeted local safety schemes, which were beginning to have an effect on the accident rate.

I also identified that a substantial proportion of the city's slight accidents were occurring at the 3 grade separated junctions of the A690, A183 and A1231 with the A19 and this led to a programme of scheme which produced substantial safety benefits.

My team was also responsible for major traffic changes in the city centre brought about by new developments as well as Metro extension related schemes such as pedestrian access improvements and junction improvements. Consequently I have considerable experience of and skill in implementing traffic management schemes and the traffic regulation order process.

I took part in Department management processes, such as contributing to the Medium Term Financial Plan process and Performance Management as well as financial management, working closely with the department's finance team. I also represented the department and Council in interviews with the media on a number of occasions. The work of the section brought considerable involvement with elected Members and the public as well as other bodies with which it is important to carry out consultation. I have found it advantageous to have good communication skills in order to carry out successfully my role as manager of the Traffic, Parking and Road Safety Section and I believe I have developed those skills.

While I was manager an external BEST VALUE review of the Traffic, Parking and Road Safety service adjudged the service to be "Good with promising prospects of improvement".

## **Other employment**

**July 86 – Feb 87 Darlington Borough Council - *Project Engineer***

**July 85 – July 86 Strathclyde Regional Council – CITRAC Development Engineer**

**1982 – 1985 Tyne and Wear County Council – Senior Engineer**

**1975 – 1982 Wansbeck District Council – Engineer**

**1973 – 1975 London Borough of Greenwich – Graduate Engineer**

## **Publications**

<b>Title</b>	<b>Journal</b>	<b>Year</b>
Human Resource Implications Of Current Trends In The Public Sector	Municipal Engineer	1997

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## History of collision investigation

My collision investigation experience goes back to 1982 when I started work for Tyne and Wear County Council as a Senior Assistant Engineer. I was responsible for a small team of engineers and technicians carrying out traffic engineering and highways development control in the “outer” area of Newcastle, i.e. everywhere other than the defined city centre of Newcastle. The work involved carrying out collision investigation on sites within the high risk collisions list.

In 1987 I started working for Sunderland City Council. There I became manager of the traffic, parking and road safety section in 1991. At Sunderland I carried out the annual analysis of reported collisions to compare Sunderland’s casualties with those of Tyne and Wear and Great Britain. I used the analysis to determine classes of road user that had a high involvement rate in collisions. I reported my findings to the appropriate committee of the Council in order to target our programmes of local safety schemes at these high-risk groups, mainly child pedestrians.

I also identified many of the projects that made up the local safety schemes programme through an analysis of the collision record. For instance the roundabout junction of A19/A1231 was signalised and then the hours of signalisation were increased to cover the period 6.30am to 10pm on the basis that most shunts were occurring between these hours, but outside of the periods when the signals were in operation. In fact something like 3% of the city’s injury causing collisions were reported as having occurred at this roundabout. Increasing the period of signal control was successful in reducing the collision rate at this junction.

While employed by Jacobs Eng Uk Ltd I was involved in developing collision reduction proposals at a number of sites for clients, most notably North Yorkshire County Council. My team and I prepared options for traffic calming scheme at Risplith and a number of options for other rural “A” road improvements, based on the collision history. We prepared options for client Sunderland City Council for high-risk sites in Washington. I was also responsible for reviewing North Yorkshire’s top 100 collision sites and preparing outline proposals for remedial measures. These sites are spread throughout the county, some rural high-speed roads and some urban.

Since leaving Jacobs I have been Team Leader for a number of Road Safety Audits and this included analysis of current collision data to inform the audit. I have recently been a member of the audit team for the Dalry by-pass, an off-line 2 + 1 by-pass of the town of Dalry in Scotland. The team carried out the stage 1, 2 and 3 road safety audits, as well as audits of temporary closures and TTMS proposals.

## Some recent RSAs as either Team Member or Team Leader

Proposed caravan park, Upsall, Guisborough – Stage 1 – 01/23

Proposed Roadside Services, Lochwinnoch, Renfrewshire – Stage 1 - 06/22

Alternative access to retail park, Tweedmouth, Northumberland – Stage 1 – 02/22

19 Northbound Exelby Services, Improvements to layout and on and off slip – Stage 3 – 07/21

Proposed Roundabout, Station Road, Wallsend – Combined Stage 1 and 2 – 04/21

Residential Development, Rennington, Northumberland – Combined Stg 1&2 – 02/21

S278 work, Rakes La, Doncaster – Stage 2 – 05/20

Proposed Petrol Filling Station, Kenton La, Newcastle – Combined Stg 1&2 – 03/20

Residential Development, Swinhoe Road, Beal, Northumberland – Combined Stg 1&2 – 03/20

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Proposed Petrol Filling Station, Privas Way, Leeds – Stage 1 – 02/20

Residential Development, Pelton Fell, Durham – Combined Stg 1&2 – 10/19

Residential Development, Bellingham, Northumberland – Stage 1 – 10/19

Residential Development, Low Worsall, N Yorkshire – Stage 2 – 03/19.

Residential Development, Butchers La, Pegswood, Northumberland – Combined Stg 1&2 – 03/19

A737 Dalry By Pass, Stage 3 Road Safety Audit, Fehily Timoney and Co/Farrans Roadbridge/Transport Scotland. – 2019.

A737 Dalry By Pass, Stage 2 Road Safety Audit, Fehily Timoney and Co/Farrans Roadbridge/Transport Scotland. – 2017-18.

A737 Dalry By Pass, Stage 1 Road Safety Audit, Fehily Timoney and Co/Farrans Roadbridge/Transport Scotland. - 2017

A9 Dualling, Kincaig – Dalraddy, Stage 1 Road Safety Audit, Fehily Timoney and Co/Farrans Roadbridge/Transport Scotland

Bears Way Cycle Scheme, Bearsden – Milngavie – Stage 4 Road Safety Audit of on-carriageway cycle scheme, East Dunbartonshire Council. – 2016.

Bears Way Cycle Scheme, Bearsden – Milngavie – Stage 3 road safety audit on carriageway cycle scheme, East Dunbartonshire Council. – 2015.

Bears Way Cycle Scheme, Bearsden – Milngavie – Combined Stages 1 & 2 of proposed on-road cycle scheme, East Dunbartonshire Council. – 2014.

Shotton, County Durham – Durham County Council - roundabout access to development site. – Stage 3 RSA – 2014.

Straiton Cycle Route, Edinburgh – Stage 2 RSA, City of Edinburgh Council - 2013

Maybole, South Ayrshire – 2012 & 2013 Stage 1 and 2 RSA for retail development adjacent to A77(T)

Longland, Middlesbrough – 2012, Stage 1 RSA for leisure and commercial development adjacent to A172

West Monkseaton, Tyne and Wear, Highway improvements to urban A class road related to residential development – Stage 2 RSA - 2012

Sainsbury's access, Ayr Road A79, Prestwick – Stage 4 - 2011

West Monkseaton, Tyne and Wear, Highway improvements related to residential development – Stage 1 RSA - 2011

Low Lane, Middlesbrough, Highway improvements related to residential development, slip road from A174(T) – Stage 1 RSA and Road Safety Comparison - 2011

Great Clifton, Cumbria – residential development – Stage 2 – 2011.

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Laughton Common, Dinnington, Rotherham, proposed segregated pedestrian and cycle route, Stages 1 and 2. –2011.

West Lothian - Uphall Bridge replacement and Pumpherston Road, realignment of road due to dualling of railway - Stages 1, 2 and 3 – 2010

A56, Thornton in Craven, North Yorkshire, proposed Puffin Crossing, Stage 2 – 2010

A56 Long Preston, North Yorkshire – Proposed conversion of Puffin Crossing to signal controlled junction incorporating equestrian demand feature. – Stage 1 - 2010

A65 Hillifield, North Yorkshire, Installation of Puffin Crossing Stage 3 - 2010

A59 / Nun Monkton, North Yorkshire, proposed right turn ghost island – 2010

## **A minimum of 2 days CPD in road safety audit, etc.**

2022 – SoRSA Scotland (Perth) – 30/09/2022

TMS online course in Auditing Pedestrian Facilities – May 2022

2021 – Online SoRSA meeting, workshops and presentations.

2020 - As suggested by SoRSA, SoRSA webinar “Experts Panel”, SoRSA webinar “RSAs in the Middle East”, BBC Crash Detectives, BBC who is lying, YouTube “Understanding Car Crashes: It’s Basic Physics”, YouTube “Understanding Accident Reconstruction”, SuStrans Handbook for Cycle Friendly Design.

SoRSA Annual workshop and seminars – 2 days – June 2019.

SoRSA Annual workshop and seminars – 2 days – June 2018

SoRSA Annual workshop and seminars – 2 days – June 2017

SoRSA Annual workshop and seminars – 2 days – June 2016

SoRSA Annual workshop and seminars – 2 days – June 2015

SoRSA Annual workshop and seminar – 2 days – June 2014

SoRSA Annual workshop and seminar – 2 days – June 2013

CIHT Latest Developments in Traffic Management – 1 day

## **At least 10 days formal collision investigation or road safety engineering training**

Crash@Aston, Road Safety Policy and Practice – Aston University, Modules 1, 2, 3 and 4 (of 6 modules), 20 hours per module.

21 & 22 October 2009 – Aston University – Advanced Road Safety Audit

Area Wide Safety Engineering – RoSPA – 19-20 July 1993

Highway Risk Awareness – Zurich Municipal – 01 February 2000

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Legal Issues in Road Safety – TMS Consultancy – 04-05 April 2000

Traffic calming practice – IHT – 14 April 2004

An Introduction to Traffic Signal Design – JCT – 09 March 2007.

Passive Safety – IHT – 29 November 2007