

Traffic calming bibliography

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Introduction

The Department of the Environment, Transport and the Regions has assisted in providing the legislative framework for traffic calming features, and in developing technical advice to local highway authorities. This leaflet lists the main items of published advice from the Department and TRL Limited, and a selection from other sources.

I: Circular Roads

(Available from, Network Customer Services (Operational Strategy), Highways Agency, Room 12/3, St Christopher House, Southwark Street, London SE1 0TE Tel. 020 7921 4531, www.highways.gov.uk)

4/90 20 mph Speed Limit Zones

2/92 Road Humps and Variable Speed Limits

2/93 The Highways (Traffic Calming) Regulations 1993

3/93 Road Traffic Regulation Act 1984: Sections 81-85 Local Speed Limits

4/96 Road Humps

5/99 20 mph Speed Limits, (£5.50, available from The Stationery Office, Telephone orders 0870 600 5522, fax orders 0870 600 5533).

II: Traffic Advisory Leaflets

(Available free from the Traffic Advisory Unit, CLT3, DETR, Zone 3/23, Great Minster House, 76 Marsham Street, London SW1P 4DR Tel. 020 7944 2478, Fax. 020 7944 2211, E-mail. dotditm3.demon.co.uk)

- 1/87 Measures to Control Traffic for the Benefit of Residents, Pedestrians and Cyclists.
- 2/90 Speed Control Humps (superseded by TAL 7/96).
- 3/90 Urban Safety Management Guidelines from IHT.
- 3/91 Speed Control Humps (Scottish version).
- 7/91 20 mph Speed Limit Zones.
- 2/92 The Carfax, Horsham 20 mph Zone.
- 2/93 20 mph Speed Limit Zone Signs.
- 3/93 Traffic Calming Special Authorisations.
- 7/93 Traffic Calming Regulations.
- 11/93 Rumble Devices.
- 12/93 Overrun Areas.
- 13/93 Gateways.
- 1/94 VISP - A Summary.
- 2/94 Entry Treatments.
- 3/94 Fire and Ambulance Services - Traffic Calming: A Code of Practice.
- 4/94 Speed Cushions.
- 5/94 Traffic Calming Bibliography (superseded by TAL 10/95).
- 7/94 Thumps Thermoplastic Road Humps.
- 9/94 Horizontal Deflections.
- 11/94 Traffic Calming Regulations - Scotland.
- 1/95 Speed Limit Signs - A Guide to Good Practice.
- 2/95 Raised Rib Markings.
- 7/95 Traffic Islands For Speed Control.
- 10/95 Traffic Calming Bibliography (superseded by TAL 10/96).
- 1/96 Traffic Management in Historic Areas.
- 2/96 75mm High Road Humps.
- 4/96 Traffic Management and Emissions.
- 6/96 Traffic Calming: Traffic and Vehicle Noise.
- 7/96 Highways (Road Humps) Regulations 1996.
- 8/96 Road Humps and Ground-borne Vibrations.

Traffic calming bibliography

- 10/96** Traffic Calming Bibliography (superseded by TAL 3/98).
- 2/97** Traffic Calming on Major Roads: A49, Craven Arms, Shropshire.
- 6/97** Traffic Calming on Major Roads: A47, Thorney, Cambridgeshire.
- 10/97** Halifax Historic Core Zone.
- 12/97** Chicane Schemes.
- 1/98** Speed Cushion Schemes.
- 2/98** Lincoln Historic Zone.
- 3/98** Traffic Calming Bibliography (superseded by TAL 4/99).
- 8/98** Shrewsbury Historic Core Zone.
- 9/98** Sinusoidal, H and S Humps.
- 2/99** Havant Traffic Calming Scheme.
- 4/99** Traffic Calming Bibliography (superseded by TAL 5/00).
- 8/99** Urban Safety Management: using SafeNet Software.
- 9/99** 20 mph speed limits and zones.
- 13/99** Historic Core Zones: Bury St Edmunds.
- 14/99** Traffic Calming on Major Roads: A Traffic Calming Scheme at Costessey, Norfolk.
- 1/00** Traffic Calming in Villages on Major Roads.
- 5/00** Traffic Calming Bibliography (superseded by TAL 5/01).
- 10/00** Road humps: discomfort, noise, and ground- borne vibration.
- 11/00** Village Traffic Calming - reducing accidents.
- 12/00** Urban Street Activity in 20 mph Zones Ayres Road Area, Old Trafford.
- 5/01** Traffic Calming Bibliography.

III: TRL Limited

All reports listed here are available from TRL Limited, PO Box 303, Wokingham, Berkshire RG45 6YX Tel: 01344 770 783 Fax: 01344 770 193, www.trl.co.uk. Where no price is given, please contact TRL Limited.

PTRC paper at European Transport Conference. Urban traffic calming measures Design, effectiveness, public attitudes and environmental issues (PA 3365/98). Roger Layfield and David Webster, 1998.

PTRC paper at European Transport Conference. Traffic calming in villages on major roads (PA 3444/99). Marie Taylor and Allan Wheeler, 1998.

Elsevier Science, 1999. The science of the total environment, driving cycles for measuring passenger car emissions on roads with traffic calming measures. Paul Boulter.

PR 18 Road Humps for Controlling Vehicle Speed.

PR 32 Speed Control Humps - A Trial at TRL.

PR 33 An assessment of rumble strips and rumble areas by David Webster and Roger Layfield, 1993.

PR 101 Speeds at "Thumps" and Low Height Road Humps, D C Webster.

PR 102 Speed Control Using Chicanes - A Trial By TRL, A Sayer & D I Parry.

PR 103 Vehicle and Traffic Noise Surveys alongside Speed Control Cushions in York. P G Abbott & S M Phillips.

TRL 174 The Environmental Assessment of Traffic Management Schemes: A Literature Review.

TRL 177 Traffic Calming: Vehicle Activated Speed Limit Reminder Signs.

TRL 180 Traffic Calming: Vehicle Noise Emissions alongside Speed Control Cushions and Road Humps.

TRL 186 Traffic Calming - Road Hump Schemes using 75mm High Humps.

TRL 212 Traffic Calming on Major Roads: The A49 Trunk Road at Craven Arms, Shropshire.

TRL 215 Review of Traffic Calming Schemes in 20 mph Zones.

TRL 235 Traffic Calming: Vehicle Generated Ground-borne Vibrations alongside Speed Control Cushions and Road Humps.

TRL 238 Traffic Calming On Major Roads: The A47 Trunk Road At Thorney, Cambridgeshire.

TRL 288 Traffic Calming in Historic Core Zones - Crossley Street, Halifax. £35.00

TRL 307 Traffic Calming and Vehicle Emissions: A Literature Review. £35.00

TRL 311 Traffic Calming - Public Attitude Surveys: A Literature Review. £35.00

TRL 312 Traffic Calming Speed Cushion Schemes. £35.00

TRL Report 313 Traffic Calming - An Assessment of Selected on Road Chicane Schemes. £25.00

TRL Report 362 The perceived environmental impacts of traffic management schemes: a literature review. £35.00

TRL Report 363 Urban Speed Management Methods. £25.00

TRL Report 364 A traffic calming scheme at Costessey, Norfolk. £35.00

Traffic calming bibliography

- TRL Report 374** Traffic calming in Historic Core Zones - High Street Route, Shrewsbury. £35.00
- TRL Report 377** Traffic Calming : Sinusoidal, "H" and "S" Humps. £50.00
- TRL Report 385** Traffic calming in villages on major roads: Final report. By A H Wheeler and M C Taylor, 1999. £35.00
- TRL Report 388** Traffic calming in historic core zones: Bury St Edmunds by Allan Wheeler, 1999.
- TRL Report 397** Traffic calming: Environmental assessment of the Leigh Park Area Safety scheme. by J Cloke, D Webster, P Boulter, G Harris, R Stait, P Abbott and L Chinn, 1999. £50.00
- TRL Report 416** Traffic calming: vehicle generated noise and ground-borne vibration alongside sinusoidal, round-top and flat-top road humps by G J Harris, R E Stait, P G Abbott and G R Watts, 1999. £35.00
- TRL Report 417** Traffic calming: passenger and rider discomfort at sinusoidal, round-top and flat-top humps - a track trial at TRL by I A Sayer, D A Nicholls and R E Layfield, 1999. £35.00
- TRL Report 423** Remote sensing of vehicle emissions near two traffic calming measures in Gloucester by P G Boulter, 1999. £35.00
- TRL Report 439** Traffic calming - Literature search on the design and performance of traffic calming measures by D C Webster, 2000.
- TRL Report 444** The impacts of Safer City project by on road traffic emissions in Gloucester 1996 - 1998 P G Boulter. £35.00
- TRL Report 452** Changes in accident frequency following the introduction of traffic calming in villages by A H Wheeler and M C Taylor, 2000.
- TRL Report 482** The impacts of traffic calming measures on vehicle exhaust emissions, 2001. £50.00

IV: Other Departmental Publications

Design Bulletin 32 (2nd edition). Residential Roads and Footpaths. ISBN 0 11 752641 X £13.50, (available from The Stationery Office, Telephone orders 0870 600 5522, Fax. orders 0870 600 5533, email esupport@theso.co.uk)

Places, Streets & Movement A companion guide to Design Bulletin 32 Residential Roads and footpaths £20.00, DETR

Guidance on the use of Tactile Paving Surfaces 1998. (available free from Mobility Unit, Zone 1/11, Great Minster House, 76 Marsham Street, London SW1P 4DR. Tel. 020 7944 6100, Fax. 020 7944 6102)

Better Places through Bypasses - The Report of the Bypass Demonstration Project. ISBN 0 11 5517499,£30.00 (available from The Stationery Office, Telephone orders 0870 600 5522, Fax. orders 0870 600 5533)

New Directions in Speed Management - A Review of Policy, 2000. (available from DETR Free Literature, PO Box 236, Wetherby, W Yorkshire, LS23 7NB, Tel: 0870 1226 236, Fax: 0870 1226 297)

Tomorrow's Roads - Safer for Everyone, 2000 (available from DETR Free Literature, PO Box 236, Wetherby, W Yorkshire, LS23 7NB, Tel: 0870 1226 236, Fax: 0870 1226 297)

V: Other Publications, Magazine Articles and Videos

(Available from Libraries)

Traffic Calming in Practice, CSS, 1994. ISBN 1 899650 00 8 £28.00 (available from Landor Publishing, Quadrant House, 250 Kennington Lane, London SE11 5RD Tel. 020 7582 6626 Fax. 020 7587 0497).

Traffic Calming Trials - review of schemes on the trunk and principal road network in Wales, 1999. Transport Directorate National Assembly for Wales. Tel 029 20826 502

The Community Impact of Traffic Calming Schemes, Scottish Executive Tel 0131 244 1496.

Traffic Calming on Through Routes - Review for discussion, Scottish Executive / COSLA, £10 Tel 0131 221 4181

Natural Traffic Calming, The Scottish Executive Tel: 0131 244 1496

VISP Video. Traffic Calming through villages. Tel: 01344 770 738

Trafficking in History. Marie Taylor. Surveyor article, 5th March 1998,

Giving a Town New Heart - a video associated with the Bypass Demonstration Project, £19.50 (Available through the Traffic Advisory Unit, Zone 3/23, Great Minster House, 76 Marsham Street, London SW1P 4DR - cheques payable to 'film NOVA')

20mph Speed Reduction Initiative, Scottish Executive Central Research Unit, 2001, £10 (available from Stationery Office Bookshop, 71 Lothian Road, Edinburgh, EH3 9AZ. Tel: 0870 606 5566 Fax: 0870 606 5588).

A number of other publications on traffic calming are available from :Institution of Civil Engineers, 1 Great George Street, London SW1P 3AA, Tel: 020 7222 7722, www.ice.org.uk

The Department of Transport, Local Government and the Regions sponsors a wide range of research into traffic management issues. The results published in Traffic Advisory Leaflets are applicable to England, Wales and Scotland. Attention is drawn to variations in statutory provisions or administrative practices between the countries.

The Traffic Advisory Unit (TAU) is a multi-disciplinary group working within the Department of Transport, Local Government and the Regions. The TAU seeks to promote the most effective traffic management and parking techniques for the benefit, safety and convenience of all road users.

The Department of Transport, Local Government and the Regions	Scottish Executive	Cynulliad Cenedlaethol Cymru The National Assembly for Wales
Requests for unpriced TAU publications to: Charging and Local Transport Division, Zone 3/23, Great Minster House 76 Marsham Street, London, SW1P 4DR. Telephone 020 7944 2478 e-mail: tal@dotditm3.demon.co.uk	Within Scotland enquiries should be made to: Scottish Executive, Development Department, Transport Division, Zone 2-F, Victoria Quay, Edinburgh, EH6 6QQ, Telephone 0131 244 1496 e-mail: sharon.wood@scotland.gov.uk	Within Wales, enquiries should be made to: The National Assembly for Wales, Transport Directorate, 2nd Floor, Cathays Park, Cardiff, CF10 3NQ Telephone 029 2082 6468 e-mail: Michael.Hillier@wales.gsi.gov.uk