

EXTERNAL JOINT RESEARCH LIST

Research Category /Reference Number	Research Details	Sponsor	Contact Person	Start Date	End Date	Current Status	Comments
Highways Agency Research Programme - Maintenance							Highways Agency Research Link
Asset Management	Achieving best value through pavement maintenance monitoring.	Mott Macdonald	Fairclough, R	Feb-05	Feb-08	Current	
Asset Use	Condition Thresholds For Minimising Maintenance WLC	Framework	Heath, G	Dec-03	Aug-05	Proposed	Removed?
Asset Use	Cost Effective Maintenance Decisions With The FWD	TRL	Fairclough, R	May-03	Mar-08	Current	
Asset Management	Integrated Whole Life Cost Model for Maintenance	TRL	Tam, A	Nov-07	Feb-09	Current	
Asset Use	Maintenance Programme Analysis		Sinhal, R	Dec-03	Dec-05	Proposed	Removed?
Asset Management	Optimum maintenance strategies for structures	Atkins	Jandu, A	Jan-07	Jun-08	Current	
Traffic Management	Study of Safety at Term Maintenance Sites	TRL	Youell, M	Sep-05	Dec-06	Current	
Congestion	Active Traffic Management Monitoring	Mott Macdonald	Boyd, J	Aug-02	Aug-08	Current	
Sustainability	Alien species and Noxious weed Control	CIRIA	Groutage, P	Nov-06	Jul-08	Current	
Safety	Assessing High Friction Surfacing		Halliday, J	00/0000	00/0000	Proposed	
Safety	Automated cone laying trials	TRL	Mitchell, P	Mar-08	Dec-08	Current	
Asset Use	Consolidation of Whole Life Value of Highway Surfacing	Atkins	Christie, C	Feb-05	Mar-06	Current	
Asset Use	Development of new single pack coating system	TBC	Gallagher, J	Nov-06	Jan-10	Proposed	Removed?
Asset Use	Durability Of Concrete Pavements Surfaced With Thin Asphalt	TRL	Christie, C	May-04	Aug-06	Current	
Asset Use	Durability of Low Strength HBM (Hydraulically Bound materials)	TBC	James, D	Jan-08	Jan-10	Current	
Congestion	Durability of modern road surfacing to diesel/petrol spillage	TBC	Hupton, P	Jan-08	Jan-10	Current	Removed?
Asset Management	Effects of Heavier Vehicles on Road Wear	TRL	Lloyd, W	Nov-06	Dec-07	Current	
Asset Management	European Skid Resistance Index and Skid Resistance Standards	TRL	Caudwell, L	Sep-04	Feb-07	Current	
Asset Management	FORMAT Cycle track, footway and maintenance research	TRL	Jameison, G	Jan-02	Jan-05	Current	
Safety	Innovative Traffic Management Technique/Product Assessment	TRL	Goward, P	Apr-03	Mar-06	Current	
Asset Use	Integration of Whole Life Costing of Road Features	TRL	Christie, C	Sep-02	Mar-08	Current	
Asset Use	Long-Life Pavements In The European Context		Sinhal, R	Dec-02	Mar-04	Proposed	Remove?
Asset Management	Measurement Of Microtexture At Traffic Speed To Predict Skid Resistance	TRL	Caudwell, L	Feb-05	Feb-07	Current	
Asset Management	Natural Weathering paint trials HA	Scientifics Ltd	Gallagher, J	Sep-04	Sep-08	Current	
Asset Use	Providing Better Skid Resistance on New Asphalt Surfacing		Sinhal, R	00/0000	00/0000	Proposed	Removed?
Asset Use	Rational pavement rehabilitation	TBC	James, D	Jan-08	Jan-10	Current	
Safety	Revision of Chapter 8 of the Traffic Signs Manual	TRL	Goward, P	Oct-00	Dec-05	Current	
Asset Management	Specimen Monitoring for Continued Durability	TRL	James, D	Jan-06	Jan-07	Current	
Asset Management	Surface Texture and Tyre Tread Depth		Caudwell, L	Sep-04	Aug-05	Proposed	Removed?
Asset Use	Use of routine data to assess pavement foundation performance	Edge Consultants & Atkins	Gwede, D	Oct-05	Mar-07	Current	
Asset Use	A radical new approach to pavement design	TRL	James D	Mar-06	Aug-08	Current	New 21/07/2008
Asset Use	Competence of Pavement Assessment Techniques - Phase 4 (COPTA 4)	TRL	Fairclough, R	Feb-05	Feb-06	Current	New 21/07/2008
Asset Management	Concrete Barrier Assessment	TRL	Ruth, D	Oct-07	Aug-08	Current	New 21/07/2008
Asset Use	Contribution to OECD Project on Long Life Pavements - phase 2	Scott Wilson Pavement Engineering Ltd	Lloyd, W	Oct-04	Oct-06	Current	New 21/07/2008
Asset Use	Developing high speed deflection	TRL	Barton, B	Sep-03	Mar-09	Current	New 21/07/2008
Safety	Developing safenet for rural roads	TRL	Sandie, I	Nov-03	Dec-07	Current	New 21/07/2008
Asset Use	Development of bonded bituminous layers	Scott Wilson Pavement Engineering Ltd	Lee, D	Mar-03	Feb-07	Current	New 21/07/2008
Asset Use	European Highways costs	TBC	Thomas, G	Jan-08	Jan-10	Current	New 21/07/2008
Asset Use	European long life pavement group (ELLPAG) Phase 2 & 3	TRL	Sinhal, R	Feb-06	Mar-07	Current	New 21/07/2008
Sustainability	Impact of reduced emissions upon air quality	TRL	Hackman, M	Oct-01	Mar-07	Current	New 21/07/2008
Asset Use	Implementing asphalt durability of pollutants in highways runoff - Phase 2	TRL	James, D	Jan-08	Jan-10	Current	New 21/07/2008
Asset Use	Key performance indicators for bridge maintenance activities	Atkins	Jandu, A	May-01	Dec-06	Current	New 21/07/2008
Asset Use	Pavement whole of life costing for new roads	TRL	Lloyd, W	Nov-01	Feb-04	Current	New 21/07/2008
Sustainability	Performance of quiet noise surfaces over time	TBC	Lowery, P	Jan-08	Jan-10	Current	New 21/07/2008
Asset Use	Prefabricated pavements and other innovations for rapid and improved construction and maintenance	Chris Britton Consultancy	Lee, D	Nov-07	Aug-08	Current	New 21/07/2008
Asset Use	Prioritising ways to reduce the impact of maintenance on journey times	WSP Ltd	Tam, A	Jan-08	Dec-08	Current	New 21/07/2008

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CSS Research Programme - Maintenance							County Surveyor Society Link
18, 27 & 61	Long Term Performance of Reinstatements - Research to determine the long-term effects of trenching and reinstatement works on the life of carriageways and footpaths. Research gained from stage 1 and 2 to be published in stage 3. Phase 2 also developed a condition indicator and a charging structure to recover the cost of the premature maintenance incurred. Stage 3 will disseminate the results of work widely to ensure that appropriate proposals are included without delay in the Regulations being drafted as part of the implementation of the Traffic Management Act. (Phase 1 & 2)	-	-	-	-	Project complete	-
	(Phase 3)	-	-	-	-	Project ongoing	-
25	Surface Dressing and Slurry Surfacing (contribution) - Support for HA Group standardising Surface Dressing and Slurry Surfacing in Europe.	-	-	-	-	-	-
31, 44 & 51	Framework for Highway Asset Management Plans - An Outline Guide for a Highway Network Asset Management Plan for Local Authorities in the United Kingdom to use.	-	-	-	-	-	-
32	Failures in Thin Surfacing SM2 - Guideline document produced entitled "Failures in Thin Surfacing"	-	-	-	-	Project ongoing	-
36	Local Transport Plan Network - A free accessible website designed to create a national framework within which LTP authorities and in particular LTP writing officers could network, benchmark, disseminate good practice and collectively influence local government thinking.	-	-	-	-	Project complete	-
40	Lighting Columns: Review of Risk Assessment Data - A document outlining a method for assessing the structural condition of lighting to enable local authorities to more effectively manage their lighting stock	-	-	-	-	-	-
41	Code of Practice on Skid Resistance for LA Roads - Code of practice produced providing guidance on achieving and maintaining adequate Skid Resistance on local roads.	-	-	-	-	-	-
52	Road Lighting - Production of National Term Maintenance - Contract terms and conditions developed for street lighting maintenance works including installations.	-	-	-	-	-	-
66	Review of Assessment Methods for Masonry Arch Highway Bridges - Report on additional guidance to be used in assessment of masonry arch highway bridges on local roads for website and from CSS Publication office	-	-	-	-	Project ongoing	-
68	Development of a Protocol for Excavated Materials containing Tar - Report to establish allowable uses of excavated highway materials containing tar with an emphasis on re-use rather than disposal to support the CSS aim of sustainability.	-	-	-	-	Project ongoing	-
72	Review of the Class & Quality of Street Lighting Provided on Traffic Routes and in Residential Streets - Project ongoing Research and prepare a technical paper with current and relevant information on which to determine the level of illumination required for specific road type to help reduce energy consumption	-	-	-	-	Project ongoing	-
73	Review of Luminaries Maintenance Factors - Research to determine accurate maintenance factors for the maintenance of road lighting systems to minimise over provision of lighting, reducing capital, energy and maintenance cost	-	-	-	-	-	-
UK Roads Liaison Group - Maintenance							UK Roads Liaison Group Link
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2	Sustainability in construction layers and materials.	-	-	-	-	Current Project	-
3	Highway service levels.	-	-	-	-	Current Project	-